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Natural Gas Monthly
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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
Natural Gas Weekly Market Update	PDF	Analysis of current price, supply and storage data
Natural Gas Monthly	PDF	Monthly supply, disposition, and price data
Natural Gas Annual	PDF	Annual supply, disposition, and price data
Historical Natural Gas Annual	PDF	Historical annual supply, disposition, and price data from 1930 - 1997
Issues and Trends	PDF	Comprehensive analysis of growth and change in the natural gas industry
U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves	PDF	Proved reserves in the United States
Oil and Gas Field Code Master List	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the *Natural Gas Monthly*
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the *Natural Gas Annual*
Historical Annual Data	TXT	Tables from the *Historical Natural Gas Annual*
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

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Natural Gas 1999: A Preliminary Summary

This Special Report provides preliminary natural gas data for 1999 which were reported on monthly surveys of the industry through December. These data will be revised and become final with the release of the *Natural Gas Annual 1999* in the fall of 2000. That report will include data from an annual survey of the industry.

Production and Wellhead Prices

Dry natural gas production in 1999 is estimated to have been 18,660 billion cubic feet, just slightly below the level of 18,708 billion cubic feet in 1998. Annual production has been fairly stable since the increase of 4 percent that occurred in 1994. Dry production in 1999 is 5 percent higher than at the beginning of the decade.

Daily rates of production in each month are fairly steady during any year, but the range was a bit narrower in 1999 than in 1998. During 1999, the daily rate of dry production varied from a low of 50.1 billion cubic feet per day in August to a high of 52.2 billion cubic feet per day in February. During 1998, daily production rates varied from 48.5 to 52.8 billion cubic feet per day, in September and January, respectively.

State-level production data for 1999 are for marketed production, that is, natural gas that has not yet been processed for the removal of liquids and nonhydrocarbon gases. (Dry production data by State will be available in the fall of 2000 in the Energy Information Administration's *Natural Gas Annual* 1999.) Marketed production in 1999 was estimated to have been 19,611 billion cubic feet, less than 1 percent below the 1998 level of 19,646 billion cubic feet. Texas and Louisiana[1] together account for 60 percent of U.S. marketed production—32 percent for Texas and 28 percent for Louisiana. The next two largest producers are Oklahoma and New Mexico, with 8 percent each. A total of 32 States reported measurable production in 1999.

The largest changes in marketed production from 1998 to 1999 took place in Texas and New Mexico. Marketed production dropped by 118 billion cubic feet in Texas, but this was a change of only 2 percent for the State. In New Mexico, marketed production increased by 97 billion cubic feet or 6 percent. The next largest changes were an increase of 51 billion cubic feet, or 16 percent, in California and a decline of 50 billion cubic feet, or 8 percent, in Kansas.

The average natural gas wellhead price in 1999 was $2.07 per thousand cubic feet according to preliminary estimates. This was 7 percent higher than in 1998, but 11 percent lower than in 1997. Monthly average wellhead prices were flat or increasing during most of 1999, and for August through November, they were at least 25 percent higher than for those same months in 1998. The wellhead price reached its high for the year at $2.44 per thousand cubic feet in November 1999, then fell 17 percent to $2.03 per thousand cubic feet in December, similar to the decline in the futures market price for December deliveries at the Henry Hub (on the New York Mercantile Exchange). The lowest monthly wellhead price during 1999 was $1.70 per thousand cubic feet in March.

The monthly pattern of working gas stocks in underground storage facilities in 1999 compared with 1998 may have contributed to the general rise in

1 The estimate of marketed production for Louisiana for 1999 includes the total of Federal offshore production for both Louisiana and Alabama. This estimate will be allocated to the States in the Energy Information Administration's *Natural Gas Annual 1999,* which should be available in the fall of 2000. Data for 1998 were adjusted to allow for consistent State-level comparisons in this analysis. Federal offshore production in Alabama in 1998 was 171 billion cubic feet.

wellhead prices later in the year. In January 1999, working gas was an estimated 22 percent higher than it had been in January 1998, and in February 1999, it was 26 percent higher than in February 1998. The difference in the amount of working gas between 1999 and 1998 declined in the following months, and by July 1999, the working gas was below that of 1998, though by only 2 percent. The gap generally widened through the rest of the year with the 1999 level remaining below that of 1998. By December 1999, there was 2,509 billion cubic feet of working gas, 8 percent less than in December 1998.

Imports

Natural gas imports increased for the 13th consecutive year in 1999 to over 3.5 trillion cubic feet. (Table SR3) Imports, both pipeline and liquefied natural gas (LNG), grew by 13 percent, the largest annual growth rate of the past 5 years. Imports continued to increase in 1999 because of several factors, including Canadian-U.S. border pipeline expansions and a growth in LNG imports. Pipeline imports from Canada still represented the bulk of total imports, 94 percent in 1999, although imports of LNG increased from 3 percent of the total in 1998 to 5 percent in 1999.

Net imports have become and are increasingly a major contributor of natural gas to the U.S. marketplace. Net imports for 1999 totaled 3.5 trillion cubic feet, which accounted for 16 percent of total natural gas consumption in the United States. Every month in 1999 had a higher volume of net imports than for the same month in 1998. The monthly volume in 1999 ranged from 275 billion cubic feet in June to 311 billion cubic feet in August.

Pipeline imports from Canada increased by 10 percent between 1998 and 1999. Imports of Canadian gas are expected to increase in the future because of the recently opened Northeast and Maritimes Pipeline, which is expected to deliver over 400 million cubic feet per day to the Northeast by fall 2000. Canadian flow capacity to the Northeast has already grown significantly, reaching 3,295 million cubic feet per day in 1999, up 20 percent, from 2,739 million cubic feet per day in 1998.

LNG imports made a significant impact on U.S. markets in 1999, representing 5 percent of total imports. LNG imports reached 160 billion cubic feet, the highest level ever recorded and almost twice the volume of 1998 (85 billion cubic feet). This significant annual increase could be a result of more diversified sources of LNG and an increase in short-term sellers of LNG. In 1998, Algeria supplied 80 percent of the LNG imports to the United States, whereas in 1999, Algeria supplied only 46 percent of LNG imports. The other 54 percent came from Trinidad, Qatar, Australia and Malaysia. This rapid growth in LNG imports can be mainly attributed to the new Atlantic LNG project in Trinidad, which provided 31 percent of LNG imports for 1999, even though shipments only began in May 1999. In addition to the two operational LNG receiving terminals in Lake Charles, Louisiana, and Everett, Massachusetts, a retired LNG receiving terminal in Cove Point, Maryland will be reopened to receive deliveries in 2002, evidence of the growing demand in the LNG sector.

Similar to the growth in wellhead prices, the price of pipeline imports from Canada increased in 1999. Prices averaged $2.28 per thousand cubic feet, up 17 percent from 1998 and 6 percent from 1997. In contrast, the average price of LNG imports decreased by 5 percent in 1999 from $2.63 per thousand cubic feet in 1998 to $2.51 per thousand cubic feet.

Exports

For the fourth consecutive year, exports of natural gas increased. Exports totaled 167 billion cubic feet in 1999, with 103 billion cubic feet as pipeline exports to Canada and Mexico and 64 billion cubic feet as LNG exports to Japan and Mexico. All exports increased in volume except LNG exports to Japan which decreased by 4 percent from the 1998 level. This followed an increase of 6 percent in 1997. The largest increase occurred in LNG exports to Mexico, which totaled 255 million cubic feet compared with 33 million cubic feet in 1998. LNG represents 38 percent of total U.S. exports.

The average price of total exports increased slightly, from $2.45 in 1998 to $2.58 in 1999. All countries receiving U.S. gas exports in 1999 paid higher average prices than in 1998, with the exception of Japan. The export price of LNG to Japan continues to decline, decreasing by 2 percent since 1998 and by 34 percent since 1997. LNG exports to Mexico had the largest increase in average prices with a gain of 25 percent between 1998 and 1999.

End-Use Consumption

Consumption of natural gas by end-use customers in 1999 was estimated at 19.5 trillion cubic feet, 2 per-

cent above the level in 1998. Increases in residential and commercial consumption between 1998 and 1999 were offset by declines in natural gas consumption in the industrial and electric utility sectors.

The residential sector saw the largest increase in natural gas consumption during 1999. Residential natural gas consumption during this period was estimated at 4.7 trillion cubic feet, up 154 billion cubic feet (3 percent) from the previous year. Natural gas use by residential customers during the first quarter of the year is greatly influenced by weather because of space heating requirements. During this period, January through March in both 1999 and 1998, warmer-than-normal weather was experienced, as measured by heating degree days, but the early months of 1999 were colder than in 1998, which contributed to the increased natural gas consumption relative to 1998. Residential demand in 1999 was higher than in 1998 for all months except July, August, and November. In the East North Central region, which consumes the most residential natural gas of the regions, three States saw significant increases in natural gas consumption during 1999. Wisconsin had an increase of 12 billion cubic feet (10 percent) from 1998 to 1999 while Illinois had an increase of 35 billion cubic feet (9 percent), and Michigan an increase of 30 billion cubic feet (9 percent).

Commercial consumption of natural gas in 1999 was estimated at 3.1 trillion cubic feet, an increase of 2 percent from the 3.0 trillion cubic feet the previous year. As is the case with the residential sector, the use of natural gas by commercial customers is largely to meet space-heating requirements. The slight increase in commercial consumption during 1999 also may be explained in part by the colder weather seen during the first quarter of 1999 as compared with the same period the previous year. During 1999, consumption increased relative to 1998 for all months except July, November, and December.

Consumption of natural gas by the industrial sector in 1999 was estimated at 8.7 trillion cubic feet. This estimate is less than 1 percent below the 1998 level of industrial consumption, and 2 percent less than the level in both 1996 and 1997. During 1999, natural gas consumption by electric utilities was 3.1 trillion cubic feet, indicating a 4 percent decrease from the 3.3 trillion cubic feet reported in 1998.

The decline in gas consumption by electric utilities reflects changes as a result of the restructuring of that industry. When a generating plant is sold to an entity that is not a regulated utility, the classification of that plant immediately changes. For purposes of data gathering, the Energy Information Administration (EIA), conducts separate consumption surveys from both electric utilities (regulated entities) and nonutility generators (nonregulated entities). According to EIA's *Electric Power Monthly, April 2000* (page 5), the sale of generating plants by regulated utilities has had a substantial effect on consumption of gas reported during 1999. When an electric utility is sold, gas previously reported as consumed by an electric utility is now intended to be reported as consumed by a nonutility generator. Data from EIA's survey of nonutility generators (Form EIA-900) indicate that during 1999 the generating plants involved in those sales consumed 370 billion cubic feet of natural gas following their sale. EIA includes nonutility gas consumption in industrial consumption.

EIA continuously conducts quality assurance activities to ensure that the data it reports are of the highest quality. We are currently investigating the reporting of gas consumption data to determine potential survey design and reporting problems that may arise as restructuring of the electric utility industry proceeds.

City Gate and End-Use Prices

Following the pattern of wellhead prices, city gate and electric utility prices rose substantially from August through December 1999. However, declines in prices earlier in the year somewhat offset these increases. The average city gate price for 1999 was $3.11 per thousand cubic feet, only 1 percent more than the 1998 price and still well below the 1997 price of $3.66 per thousand cubic feet. The average price paid by electric utilities reached $2.56 per thousand cubic feet in 1999, 7 percent higher than a year ago, mirroring the percentage increase seen for wellhead prices, but 8 percent less than the 1997 price of $2.78 per thousand cubic feet. The State of Texas accounted for 39 percent of natural gas consumption by electric utilities during 1999. This State saw a 9-percent increase from 1998 to 1999 in the electric utility gas price.

Although the residential and commercial sectors benefit from decreases in wellhead prices, the response is delayed. From 1997 to 1998, there were sharp declines of 16 percent in the average wellhead and city gate prices, but much more modest declines in the residential (2 percent) and commercial (6 percent) sectors. These declines continued

into 1999 as prices in these sectors fell again by 3 to 4 percent.

Residential consumers[2] continue to pay the highest price for natural gas. They paid an average price of $6.61 per thousand cubic feet in 1999, $0.21 less than in 1998. These consumers require service on demand which peaks during the heating season. Commercial consumers paid the second highest average price for gas, $5.26 per thousand cubic feet, $0.22 lower than a year ago. Much of the demand for gas in this sector is for space heating, making it highly responsive to weather conditions. The average price of gas for industrial consumers was $3.04 per thousand cubic feet in 1999, $0.10 lower than in 1998. The industrial price is the average price paid by those companies that continue to buy gas from local distribution suppliers. These suppliers accounted for only 17 percent of total deliveries to industrial end users in 1999.

2 End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1999 they were 65 percent of commercial deliveries and only 17 percent of industrial deliveries.

SR1. Summary Statistics for Natural Gas in the United States, 1995-1999

	1995	1996	1997	1998	1999
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells	17,282,032	17,737,334	17,844,046	17,558,621	17,679,309
From Oil Wells	6,461,596	6,376,201	6,368,631	6,365,612	6,273,573
Total	**23,743,628**	**24,113,536**	**24,212,677**	**23,924,233**	**23,952,881**
Repressuring	-3,565,023	-3,510,753	-3,491,542	-3,433,323	-3,527,819
Nonhydrocarbon Gases Removed	-388,392	-518,425	-598,691	-611,226	-560,851
Wet After Lease Separation	19,790,213	20,084,357	20,122,444	19,879,684	19,864,211
Vented and Flared	-283,739	-272,117	-256,351	-234,130	-252,929
Marketed Production	19,506,474	19,812,241	19,866,093	19,645,554	19,611,282
Extraction Loss	-907,795	-958,178	-963,759	-937,798	-951,147
Total Dry Production	**18,598,679**	**18,854,063**	**18,902,334**	**18,707,756**	**18,660,135**
Supply (million cubic feet)					
Dry Production	18,598,679	18,854,063	18,902,334	18,707,756	18,660,135
Receipts at U.S. Borders					
Imports	2,841,048	2,937,413	2,994,173	3,152,058	3,547,832
Intransit Receipts	492,481	536,333	548,000	481,581	NA
Withdrawals from Storage					
Underground Storage	2,974,102	2,911,327	2,824,245	2,377,344	2,696,581
LNG Storage	50,446	69,287	69,517	54,365	NA
Supplemental Gas Supplies	110,290	109,455	103,153	102,189	95,358
Balancing Item	-230,002	217,114	61,024	-33,330	-901,809
Total Supply	**24,837,044**	**25,634,990**	**25,502,445**	**24,841,963**	**24,098,097**
Disposition (million cubic feet)					
Consumption	21,580,665	21,966,616	21,958,660	21,262,023	21,375,503
Deliveries at U.S. Borders					
Exports	154,119	153,393	157,006	159,007	167,155
Intransit Deliveries	492,481	536,333	516,620	459,461	NA
Additions to Storage					
Underground Storage	2,565,882	2,905,592	2,800,294	2,903,585	2,555,438
LNG Storage	43,897	73,057	69,865	57,887	NA
Total Disposition	**24,837,044**	**25,634,990**	**25,502,445**	**24,841,963**	**24,098,097**
Consumption (million cubic feet)					
Lease and Plant Fuel	1,220,168	1,249,662	1,203,179	1,157,498	1,227,666
Pipeline Fuel	700,335	711,446	751,470	635,477	638,869
Delivered to Consumers					
Residential	4,850,318	5,241,414	4,983,772	4,520,276	4,674,273
Commercial	3,031,077	3,158,244	3,214,912	2,999,491	3,060,583
Industrial	8,579,585	8,870,422	8,832,450	8,686,147	8,660,692
Vehicle Fuel	2,674	2,932	4,424	5,079	NA
Electric Utilities	3,196,507	2,732,496	2,968,453	3,258,054	3,113,420
Total Delivered to Consumers	**19,660,161**	**20,005,508**	**20,004,012**	**19,469,047**	**19,508,967**
Total Consumption	**21,580,665**	**21,966,616**	**21,958,660**	**21,262,023**	**21,375,503**
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.55	2.17	2.32	1.94	2.07
Imports	1.49	1.97	2.17	1.97	2.29
Exports	2.39	2.97	3.02	2.45	2.58
City Gate	2.78	3.27	3.66	3.07	3.11
Delivered to Consumers					
Residential	6.06	6.34	6.94	6.82	6.61
Commercial	5.05	5.40	5.80	5.48	5.26
Industrial	2.71	3.42	3.59	3.14	3.04
Electric Utilities	2.02	2.69	2.78	2.40	2.62

NA = Not available.

Notes: Beginning in 1987, prices for gas delivered to consumers are calculated using only on-system sales data. No imputations are made for prices of gas delivered for the account of others. In previous years, prices were calculated using reported values and values imputed for gas delivered for the account of others. The United States includes the 50 states and the District of Columbia. Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1999); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports; *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

Table SR2

SR2. Gross Withdrawals and Marketed Production of Natural Gas by State, 1999
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	413,497	7,039	420,536	13,793	23,956	1,085	381,702
Alaska	178,470	3,142,326	3,320,797	2,854,134	0	6,797	459,865
Arizona	475	3	478	0	0	0	478
Arkansas	162,537	27,216	189,753	1,123	0	52	188,578
California	88,996	327,819	416,815	47,968	1,952	950	365,945
Colorado	649,292	100,191	749,483	6,397	0	802	742,284
Florida	0	6,702	6,702	0	769	0	5,933
Illinois	167	5	172	0	0	0	172
Indiana	384	0	384	0	0	0	384
Kansas	503,025	51,893	554,918	943	0	555	553,419
Kentucky	91,067	0	91,067	0	0	0	91,067
Louisiana	4,817,825	724,258	5,542,084	43,466	0	23,775	5,474,842
Maryland	82	0	82	0	0	0	82
Michigan	226,423	56,606	283,028	1,994	0	2,832	278,202
Mississippi	121,006	5,750	126,757	6,286	6,703	2,745	111,022
Montana	50,073	6,828	56,901	62	0	0	56,840
Nebraska	907	313	1,220	0	0	0	1,220
Nevada	0	8	8	0	0	0	8
New Mexico	1,507,455	262,440	1,769,895	10,768	158,130	2,869	1,598,128
New York	16,335	264	16,599	0	0	5	16,594
North Dakota	15,772	39,780	55,552	0	78	2,752	52,722
Ohio	103,193	0	103,193	0	0	0	103,193
Oklahoma	1,447,180	156,976	1,604,156	0	0	0	1,604,156
Oregon	1,555	0	1,555	50	213	0	1,291
Pennsylvania	59,504	0	59,504	0	0	0	59,504
South Dakota	677	7,162	7,839	0	5,157	1,289	1,393
Tennessee	0	1,345	1,345	0	0	0	1,345
Texas	5,564,396	1,248,033	6,812,429	387,107	198,030	26,506	6,200,786
Utah	238,947	38,020	276,967	519	0	13,835	262,614
Virginia	42,834	0	42,834	0	0	0	42,834
West Virginia	175,310	0	175,310	0	0	0	175,310
Wyoming	1,201,926	62,594	1,264,520	153,208	165,863	166,080	779,369
Total	**17,679,309**	**6,273,573**	**23,952,881**	**3,527,819**	**560,851**	**252,929**	**19,611,282**

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

SR3. Summary of U.S. Natural Gas Imports and Exports, 1995-1999

	1995	1996	1997	1998	1999
Imports					
Volume (million cubic feet)					
Pipeline					
Canada	2,816,408	2,883,277	2,899,152	3,052,073	3,332,658
Mexico	6,722	13,862	17,243	14,532	54,528
Total Pipeline Imports	**2,823,130**	**2,897,138**	**2,916,394**	**3,066,605**	**3,387,186**
LNG					
Algeria	17,918	35,325	65,675	68,567	74,612
Australia	—	—	9,686	11,634	11,903
Malaysia	—	—	—	—	2,576
Qatar	—	—	—	—	19,532
Trinidad	—	—	—	—	49,310
United Arab Emirates	—	4,949	2,417	5,252	2,713
Total LNG Imports	**17,918**	**40,274**	**77,778**	**85,453**	**160,646**
Total Imports	**2,841,048**	**2,937,413**	**2,994,173**	**3,152,058**	**3,547,832**
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	1.48	1.96	2.15	1.95	2.28
Mexico	1.53	2.25	2.31	2.03	2.17
Total Pipeline Imports	**1.48**	**1.96**	**2.15**	**1.95**	**2.28**
LNG					
Algeria	2.30	2.70	2.67	2.51	2.50
Australia	—	—	2.92	3.30	2.70
Malaysia	—	—	—	—	2.37
Qatar	—	—	—	—	2.66
Trinidad	—	—	—	—	2.41
United Arab Emirates	—	3.46	3.74	2.63	2.97
Total LNG Imports	**2.30**	**2.80**	**2.74**	**2.63**	**2.51**
Total Imports	**1.49**	**1.97**	**2.17**	**1.97**	**2.29**
Exports					
Volume (million cubic feet)					
Pipeline					
Canada	27,554	51,905	56,447	39,891	42,361
Mexico	61,283	33,840	38,372	53,133	61,025
Total Pipeline Exports	**88,836**	**85,745**	**94,818**	**93,023**	**103,386**
LNG					
Japan	65,283	67,648	62,187	65,951	63,514
Mexico	0	0	0	33	**255**
Total LNG Exports	**65,283**	**67,648**	**62,187**	**65,984**	**63,769**
Total Exports	**154,119**	**153,393**	**157,006**	**159,007**	**167,155**
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	1.96	2.67	2.52	2.25	2.34
Mexico	1.50	2.11	2.46	2.04	2.44
Total Pipeline Exports	**1.64**	**2.45**	**2.49**	**2.13**	**2.40**
LNG					
Japan	3.41	3.65	3.83	2.91	2.86
Mexico	—	—	—	5.69	7.11
Total LNG Exports	**3.41**	**3.65**	**3.83**	**2.91**	**2.88**
Total Exports	**2.39**	**2.97**	**3.02**	**2.45**	**2.58**

— = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.

Table SR4

SR4. Additions to and Withdrawals from Gas Storage by State, 1999
(Million Cubic Feet)

State	Underground Storage			Total		
	Injections	Withdrawals	Net	Number of Active Fields	Capacity (billion cubic feet)	Percent of U.S. Capacity
Alabama	2,646	2,482	-164	0	3	0.04
Arkansas	5,784	6,017	233	2	24	0.30
California	135,049	133,915	-1,134	9	388	4.75
Colorado	37,674	36,524	-1,151	9	100	1.22
Illinois	225,310	224,818	-492	30	899	10.99
Indiana	20,502	20,689	187	28	113	1.38
Iowa	74,364	75,210	846	4	273	3.34
Kansas	103,217	120,213	16,997	18	301	3.68
Kentucky	55,836	58,092	2,256	25	220	2.69
Louisiana	256,533	251,711	-4,822	14	564	6.89
Maryland	18,802	18,724	-78	1	62	0.76
Michigan	338,831	372,798	33,967	49	1,022	12.49
Minnesota	1,383	1,131	-253	1	7	0.09
Mississippi	46,405	60,710	14,304	7	134	1.64
Missouri	3,159	2,601	-557	1	31	0.38
Montana	20,231	28,425	8,194	5	372	4.54
Nebraska	6,097	5,802	-294	1	39	0.48
New Mexico	17,460	15,167	-2,293	3	97	1.18
New York	53,534	62,307	8,773	22	175	2.14
Ohio	176,850	192,550	15,699	24	575	7.03
Oklahoma	120,024	109,517	-10,508	13	395	4.83
Oregon	7,588	7,178	-409	3	12	0.14
Pennsylvania	316,981	337,444	20,463	59	685	8.37
Tennessee	593	565	-28	1	1	0.01
Texas	279,578	279,965	387	34	684	8.37
Utah	37,380	46,573	9,193	3	122	1.49
Virginia	2,398	2,527	129	2	5	0.06
Washington	20,209	17,667	-2,543	1	37	0.46
West Virginia	159,560	194,794	35,234	36	733	8.96
Wyoming	11,458	10,463	-995	7	106	1.29
Total	**2,555,438**	**2,696,581**	**141,142**	**413**	**8,179**	**100.00**

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-191, "Underground Gas Storage Report."

SR5. Natural Gas Delivered to Consumers by State, 1999
(Million Cubic Feet)

State	Residential	Commercial	Industrial	Electric Utilities	Delivered to Consumers
Alabama	43,592	28,887	204,829	20,897	298,206
Alaska	17,634	27,122	74,491	30,554	149,801
Arizona	32,827	31,242	26,246	50,876	141,191
Arkansas	NA	NA	NA	40,059	NA
California	568,355	262,681	944,597	144,796	1,920,430
Colorado	113,871	NA	NA	19,149	274,103
Connecticut	37,683	46,552	31,800	13,086	129,120
Delaware	8,845	6,029	21,948	19,873	56,695
District of Columbia	NA	NA	0	0	NA
Florida	13,025	35,121	142,104	319,351	509,601
Georgia	NA	NA	NA	20,507	NA
Hawaii	524	1,749	463	0	2,735
Idaho	17,870	12,624	33,831	0	64,325
Illinois	445,054	187,862	309,467	40,700	983,082
Indiana	NA	NA	NA	7,648	NA
Iowa	71,541	44,813	103,860	5,245	225,459
Kansas	NA	NA	NA	35,857	NA
Kentucky	59,662	36,301	92,683	5,585	194,231
Louisiana	44,525	23,541	969,981	320,367	1,358,414
Maine	965	2,555	2,507	0	6,028
Maryland	NA	NA	39,858	16,382	NA
Massachusetts	NA	NA	NA	8,136	NA
Michigan	349,334	175,362	285,977	51,136	861,809
Minnesota	NA	89,025	NA	6,590	NA
Mississippi	NA	NA	NA	101,613	NA
Missouri	112,803	63,897	NA	19,400	NA
Montana	19,684	11,931	23,091	289	54,995
Nebraska	40,412	28,000	39,589	4,548	112,549
Nevada	28,924	23,690	33,250	65,131	150,997
New Hampshire	6,626	NA	5,787	572	NA
New Jersey	NA	NA	NA	32,615	NA
New Mexico	39,727	30,883	NA	35,594	NA
New York	NA	NA	NA	181,817	NA
North Carolina	53,069	38,899	113,506	10,562	216,037
North Dakota	NA	NA	NA	0	NA
Ohio	NA	NA	NA	11,097	NA
Oklahoma	62,023	38,315	141,679	169,826	411,843
Oregon	37,974	28,340	NA	23,309	NA
Pennsylvania	240,754	143,660	242,580	10,363	637,358
Rhode Island	16,601	11,838	34,857	0	63,296
South Carolina	25,708	21,461	103,249	5,107	155,526
South Dakota	11,766	9,578	5,036	2,526	28,906
Tennessee	NA	NA	NA	3,453	NA
Texas	167,593	187,948	NA	1,207,294	NA
Utah	55,474	30,361	40,988	6,481	133,303
Vermont	2,585	2,409	2,819	249	8,062
Virginia	NA	59,723	95,232	23,459	247,439
Washington	NA	NA	NA	6,700	NA
West Virginia	NA	NA	NA	386	NA
Wisconsin	127,909	87,810	147,543	14,068	377,330
Wyoming	11,926	9,216	NA	167	NA
Total	**4,674,273**	**3,060,583**	**8,660,692**	**3,113,420**	**19,508,967**

NA = Not available.
Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table SR6

SR6. Average Prices of Natural Gas by State, 1999
(Dollars per Thousand Cubic Feet)

State	City Gate	Residential	Commercial	Industrial	Electric Utilities
Alabama	3.06	8.37	6.71	3.32	2.82
Alaska	1.32	3.64	2.16	1.25	1.59
Arizona	2.72	9.18	6.18	3.42	2.67
Arkansas	NA	NA	NA	NA	2.60
California	2.60	6.62	5.83	NA	2.76
Colorado	NA	5.24	NA	NA	2.69
Connecticut	5.03	10.49	6.59	4.18	2.72
Delaware	3.45	8.62	7.02	4.16	2.91
District of Columbia	8.88	NA	NA	—	—
Florida	3.36	11.91	6.51	3.99	3.10
Georgia	NA	NA	NA	NA	2.57
Hawaii	5.62	18.97	14.33	8.21	—
Idaho	2.23	5.43	4.77	3.30	—
Illinois	3.00	5.53	5.25	4.04	2.40
Indiana	NA	NA	NA	NA	2.98
Iowa	3.28	6.11	4.80	3.96	3.08
Kansas	NA	NA	NA	NA	2.37
Kentucky	3.27	5.73	5.11	3.30	3.20
Louisiana	2.52	6.90	5.69	2.53	2.58
Maine	NA	7.45	6.68	4.87	—
Maryland	NA	NA	NA	5.57	3.11
Massachusetts	NA	NA	NA	NA	2.71
Michigan	2.83	5.12	4.84	3.92	1.52
Minnesota	NA	NA	4.44	NA	2.59
Mississippi	NA	NA	NA	NA	2.47
Missouri	3.34	6.28	5.38	NA	2.64
Montana	2.57	5.15	5.10	4.55	4.02
Nebraska	3.12	5.06	4.10	3.39	2.74
Nevada	2.59	7.10	5.99	4.63	2.51
New Hampshire	3.82	7.73	NA	4.56	2.87
New Jersey	NA	NA	NA	NA	3.08
New Mexico	NA	4.61	3.26	NA	2.31
New York	NA	NA	NA	NA	2.84
North Carolina	3.33	8.32	6.31	3.73	2.85
North Dakota	NA	NA	NA	NA	—
Ohio	NA	NA	NA	NA	3.04
Oklahoma	2.84	5.85	5.11	3.75	2.78
Oregon	2.94	7.17	5.80	NA	1.96
Pennsylvania	3.64	8.22	8.38	4.21	3.02
Rhode Island	3.95	9.53	8.01	3.96	—
South Carolina	3.47	8.61	6.52	3.32	3.63
South Dakota	3.52	5.83	4.52	3.36	—
Tennessee	NA	NA	NA	NA	—
Texas	2.84	6.03	4.39	NA	2.51
Utah	2.98	5.37	4.12	3.02	2.64
Vermont	2.85	7.13	5.54	3.08	3.23
Virginia	NA	NA	6.04	3.91	3.19
Washington	NA	NA	NA	NA	—
West Virginia	NA	NA	NA	NA	2.98
Wisconsin	3.07	6.19	4.94	3.87	2.93
Wyoming	NA	5.28	4.50	NA	3.88
Total	**3.11**	**6.61**	**5.26**	**3.04**	**2.62**

NA = Not available.
— = Not applicable.

Source: Energy Information Administration (EIA), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Highlights

Overview

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through May 2000 for many data series at the national level. Estimates of natural gas prices are available through February 2000 for most series. Also, State-level data are available through December 1999. The special report, "Natural Gas 1999: A Preliminary Summary," provides an analysis of these preliminary data for 1999. Final 1999 data will be published in EIA's *Natural Gas Annual 1999* in the fall of 2000.

Highlights of the most recent data estimates contained in this issue are:

Cumulatively through May 2000, total natural gas supplies increased as net imports were 4 percent higher and net withdrawals from underground storage were 33 percent higher compared with the same period in 1999. At the same time, dry production levels remained virtually unchanged.

After 2 months of the 2000 refill season, the level of working gas in underground storage of 1,450 billion cubic feet at the end of May is much lower than in May 1999 (1,847 billion cubic feet) and May 1998 (1,774 billion cubic feet).

From January through May 2000, average daily end-use consumption of natural gas was 61.3 billion cubic feet per day, nearly the same as the daily rate for the same period in 1999. Declines in the residential and commercial sectors were offset by increases in the industrial sector.

Natural gas wellhead prices averaged $2.21 per thousand cubic feet for the first two months of 2000, substantially above levels of the previous 2 years.

Supply

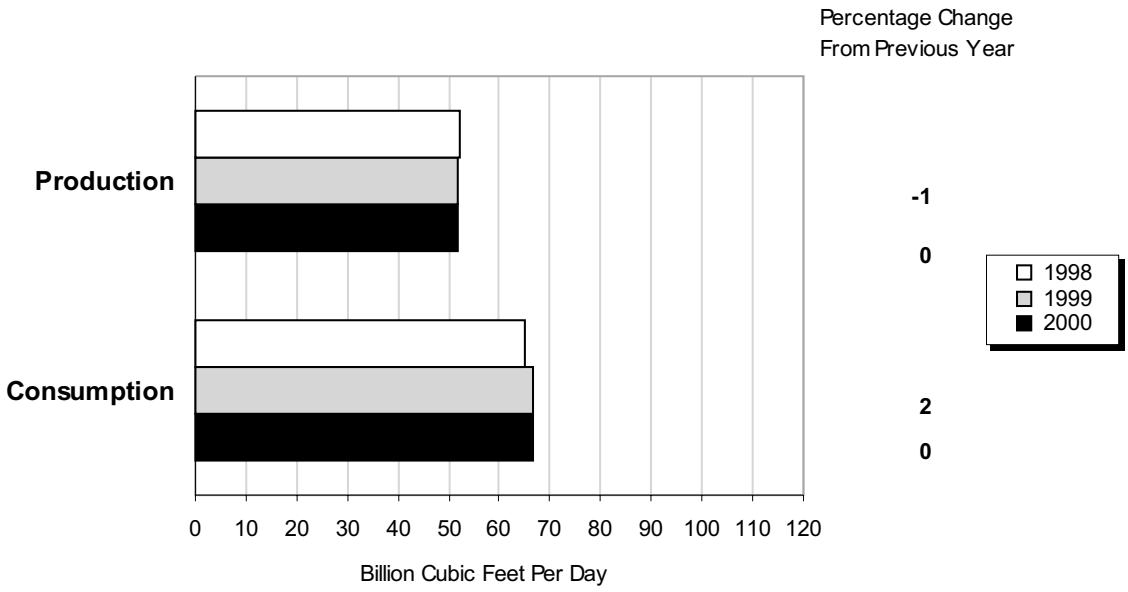
Cumulative dry natural gas production through May 2000 was virtually equal to that of the same period in 1999 and 1998 (less than 1 percent differences). However, total natural gas supplies increased as net imports and net withdrawals from underground storage rose compared with levels of the same period in 1999. Cumulatively through May 2000, dry natural gas production is estimated to be 7,855 billion cubic feet, almost the same volume as in 1999. Dry gas production for May 2000 is estimated to be 1,603 billion cubic feet or 51.7 billion cubic feet per day, about 1 percent higher than the 1,588 billion cubic feet produced in May 1999. (Table 1 and Figure HI1)

Cumulative net imports for the first 5 months of 2000 are estimated to be 1,425 billion cubic feet, 4 percent higher than for the same period of 1999 (Table 2). Net imports for May 2000 are estimated to be 280 billion cubic feet, 3 percent higher than in May 1999 and 16 percent higher than in May 1998 (Table 2). Total imports rose this year as production from the Sable Island gas fields off Nova Scotia began flowing into the Northeast and imports of liquefied natural gas (LNG) shipments increased, primarily from Trinidad. The United States began importing LNG from Trinidad in May 1999 (Table 5). Data for imports by country of origin are available through March 2000. Cumulative LNG shipments from Trinidad during the first quarter of 2000 totaled 27 billion cubic feet.

The amount of working gas in underground storage facilities at the end of May 2000 is estimated to be 1,450 billion cubic feet (Table 10). This working gas level, after 2 months of the 2000 refill season, is much lower than the high levels seen in May 1999 (1,847 billion cubic feet) and May 1998 (1,774 billion cubic feet). However, it remained above the low levels seen in 1997 and 1996.

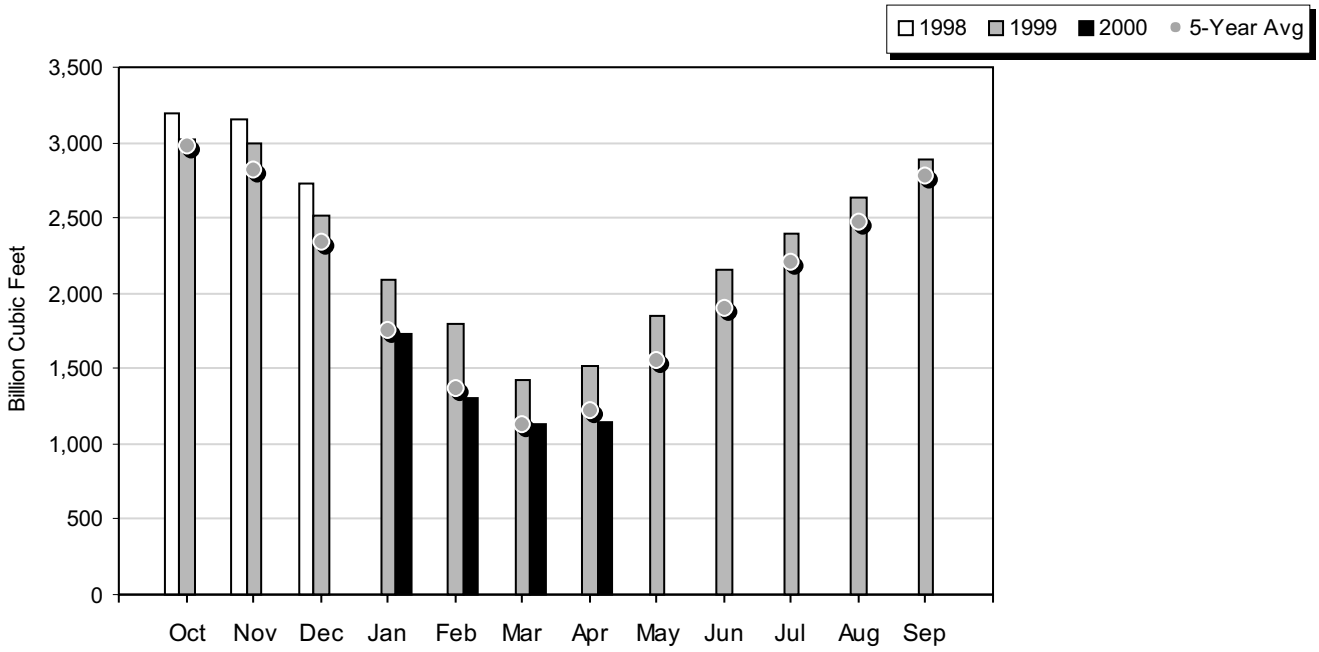
Net injections of natural gas into storage are estimated to be 255 billion cubic feet in May 2000, 82 billion cubic feet less than in May 1999 and 136 billion cubic feet or 35 percent less than in May 1998. This year's low level for net injections is due partially to

Figure HI1. Average Daily Rate of Natural Gas Production and Consumption, January-May, 1998-2000



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1998-2000



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1995 to 1999 while the January average is calculated from January levels for 1996 to 2000. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

increased demand for electric generation for air conditioning resulting from high temperatures in both the Southwest and Northeast during May 2000. The recent unprecedented high prices for spot gas continue to be a hindrance to a more normal refill rate for this time of year.[1] With spot gas trading at higher prices than during recent winters, the incentive to keep or add gas to storage has been limited, at least in the first 2 months of this refill season.

End-Use Consumption

Cumulatively for January through May 2000, end-use consumption of natural gas is estimated to be 9,312 billion cubic feet or 61.3 billion cubic feet per day, nearly the same as the daily rate for the first 5 months of 1999 (Table 3). Declines in the residential and commercial sectors were somewhat offset by an increase in the industrial sector.

The residential and commercial sectors are highly responsive to weather-related space-heating requirements. Although there were cold periods during January and February of this year in some areas of the country, generally the winter months (January through March) were warmer than normal and warmer than the first quarter of 1999. Cumulative residential consumption during January through May 2000 is estimated to be 2,817 billion cubic feet or 18.5 billion cubic feet per day, 3 percent lower than the daily rate for the same period in 1999. Consumption also declined in the commercial sector by 3 percent. Cumulative commercial consumption from January through May is estimated to be 10.9 billion cubic feet per day, compared with a daily rate of 11.2 billion cubic feet through May 1999.

The daily rate of industrial consumption of natural gas was 24.8 billion cubic feet for January through May 2000 compared with 23.9 billion cubic feet per day during the first 5 months of 1999, an increase of 4 percent. The increase in industrial consumption may reflect an increase in gas used by nonutility generators. As the restructuring of the electric utility industry proceeds, generating plants that are sold to entities that are not regulated utilities report gas consumption as nonutility generation rather than electric utility consumption. (See the special report, "Natural Gas 1999: A Preliminary Summary," in this issue of the *Natural Gas Monthly* for further discussion of the reporting of gas consumption for electricity generation.)

Data for the electric utility sector are available only through February 2000. Cumulative consumption in this sector climbed to 356 billion cubic feet, 8 percent above the consumption level during the same period of 1999. This increase occurred despite an increase in the natural gas wellhead price.

Prices

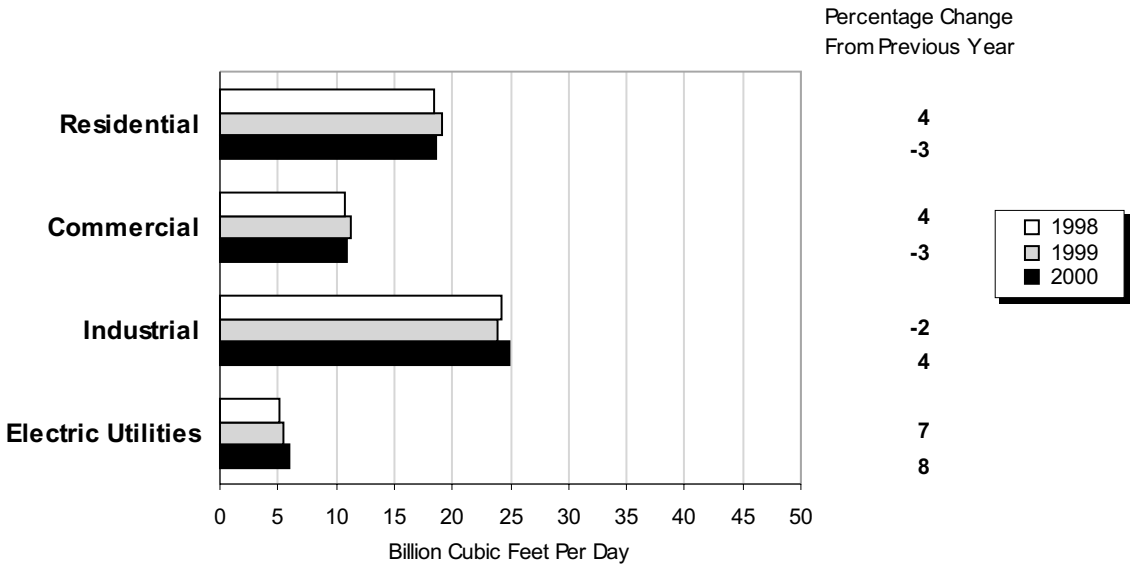
Natural gas wellhead prices in early 2000 are substantially above the levels of the previous 2 years. The cumulative average price for January and February 2000 is $2.21 per thousand cubic feet, 25 percent higher than in 1999 and 13 percent higher than in 1998 (Table 4 and Figure HI4). The estimated average wellhead price for February 2000 is $2.30 per thousand cubic feet, 8 percent higher than in January 2000. One must go back to 1997 to find higher wellhead prices during the first 2 months of the year. In January 1997, the wellhead price was at its highest point for the year at $3.40 per thousand cubic feet. The price then fell sharply to $1.79 per thousand cubic feet by March 1997. More recent data from the spot and futures markets indicate that the average wellhead price has continued to increase during the first several months of 2000.

Both daily futures settlement prices and daily average spot prices at the Henry Hub have increased steadily since early February 2000 (Figure HI5). Both the near-month futures and spot prices were trading above $3.00 per million Btu during last week of April 2000. The futures contract for May delivery closed on April 26, 2000, at $3.089 per MMBtu, and the ramping up of prices continued in May as both spot and futures market prices exceeded $4.00 per million Btu. On May 26, 2000, the futures contract for June delivery at the Henry Hub closed at $4.408 per million Btu. This is one of the highest prices for a futures contract since natural gas began trading on the New York Mercantile Exchange in 1991. A number of factors are contributing to the sharp increase in natural gas prices. Some of these include the demand for gas for electricity generation and the relatively high price of oil and refined petroleum products.

1 Energy Information Administration, *Natural Gas Weekly Market Update*. http://www.eia.doe.gov (May 30, 2000).

All natural gas prices[2] paid by end users are higher in early 2000 than in early 1999, but most are below the level of early 1998. Cumulatively for January through February 2000, residential and commercial users paid an estimated $6.37 and $5.34 per thousand cubic feet for natural gas, respectively. Both average prices are 4 percent higher than for the same period in 1999. The residential average is 1 percent below that of 1998 and the commercial average is 5 percent below that of 1998. In the industrial sector, the cumulative average price paid for natural gas for January through February 2000 is estimated to be $3.34 per thousand cubic feet, 11 percent higher than in 1999, but 8 percent lower than in 1998.

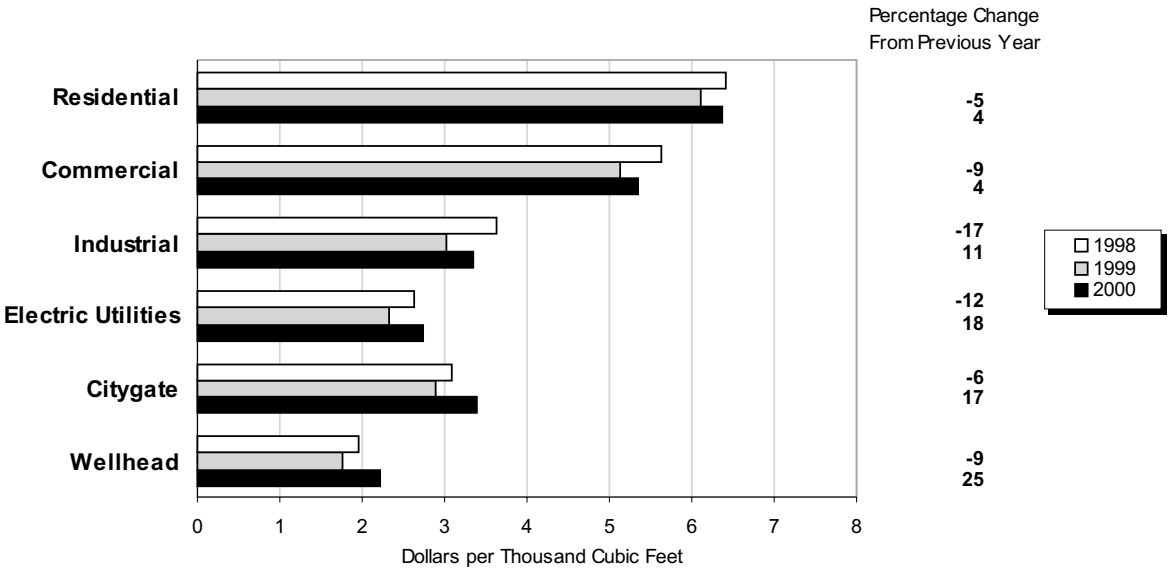
Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-May, 1998-2000



Note: Electric utilities reflect deliveries for January-February.
Source: Table 3.

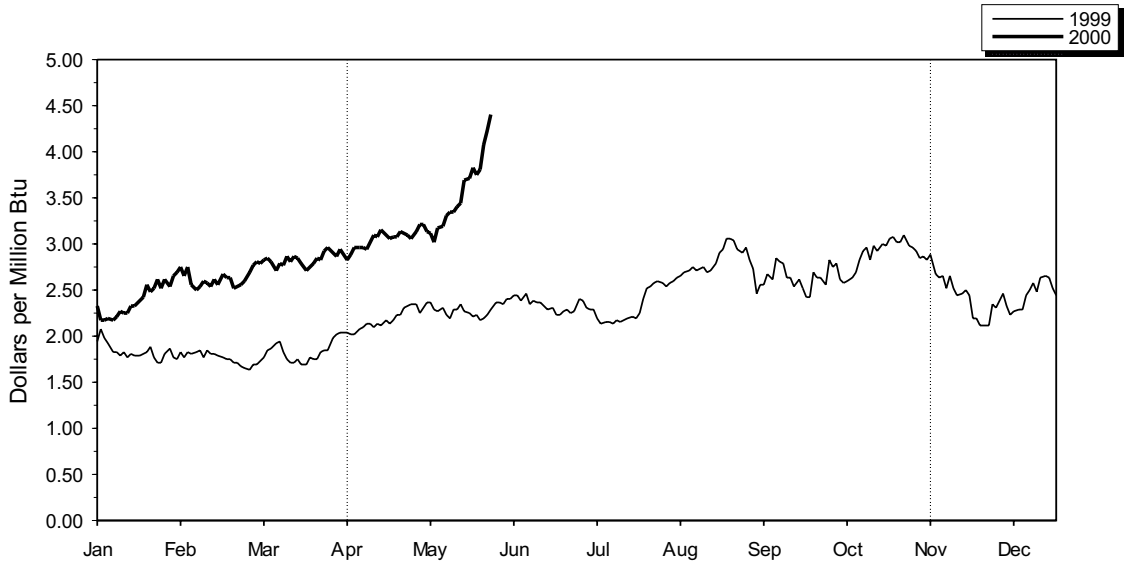
2 In the electric utility sector, an estimate for the price paid for natural gas is only available for January 2000, and it is higher than in both January 1999 and 1998. The January 2000 estimate is $2.74 per thousand cubic feet, 18 percent higher than in 1999 and 4 percent above the 1998 level.

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-February, 1998-2000



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices.
Source: Table 4.

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.
Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1994-2000

(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production (Wet)	Extraction Loss[b]	Dry Gas Production[c]
1994 Total	**23,581**	**3,231**	**412**	**228**	**19,710**	**889**	**18,821**
1995 Total	**23,744**	**3,565**	**388**	**284**	**19,506**	**908**	**18,599**
1996 Total	**24,114**	**3,511**	**518**	**272**	**19,812**	**958**	**18,854**
1997 Total	**24,213**	**3,492**	**599**	**256**	**19,866**	**964**	**18,902**
1998							
January	2,093	307	48	19	1,719	82	1,637
February	1,877	291	49	17	1,520	73	1,448
March	2,081	310	51	20	1,700	81	1,619
April	1,994	284	50	20	1,640	78	1,562
May	2,035	266	47	16	1,705	81	1,624
June	1,975	271	49	21	1,634	78	1,556
July	2,002	265	51	20	1,666	80	1,586
August	2,024	273	53	20	1,678	80	1,598
September	1,874	276	51	20	1,527	73	1,454
October	2,026	297	58	21	1,650	79	1,571
November	1,954	292	52	20	1,591	76	1,515
December	1,988	302	51	20	1,615	77	1,538
Total	**23,924**	**3,433**	**611**	**234**	**19,646**	**938**	**18,708**
1999							
January	E2,091	E317	E58	E20	E1,696	E82	E1,613
February	E1,882	E274	E54	E18	E1,536	E75	E1,462
March	E2,080	E307	E59	E21	E1,693	E82	E1,611
April	E1,960	E289	E42	E21	E1,608	E78	E1,530
May	E1,998	E264	E44	E21	E1,669	E81	E1,588
June	E1,963	E279	E43	E21	E1,620	E79	E1,542
July	RE1,997	E283	E44	E21	RE1,649	E80	RE1,569
August	RE1,975	E282	E42	E20	RE1,632	E79	RE1,553
September	RE1,925	E262	E43	E22	RE1,598	RE78	RE1,521
October	E2,038	E325	E45	E23	RE1,644	E80	E1,565
November	RE1,978	RE305	E43	E22	RE1,608	E78	RE1,530
December	RE2,067	RE341	RE45	E23	E1,658	E80	RE1,578
Total	**RE23,953**	**RE3,528**	**E561**	**E253**	**RE19,611**	**E951**	**RE18,660**
2000							
January	RE2,086	RE349	RE43	RE21	RE1,672	RE81	RE1,591
February	RE1,966	RE329	RE41	RE19	E1,576	E76	E1,500
March	E2,110	E354	E44	E21	E1,692	E82	E1,610
April(STIFS)	NA	NA	NA	NA	E1,630	E79	E1,551
May(STIFS)	NA	NA	NA	NA	E1,683	E80	E1,603
2000 YTD	NA	NA	NA	NA	**E8,253**	**E399**	**E7,855**
1999 YTD	**E10,012**	**E1,451**	**E257**	**E102**	**E8,202**	**E398**	**E7,804**
1998 YTD	**10,081**	**1,458**	**246**	**92**	**8,285**	**395**	**7,890**

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[b] Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998.* January 1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000

(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels[a]	Net Imports	Net Storage Withdrawals[b]	Balancing Item[c]	Consumption[d]
1994 Total	**18,821**	**111**	**2,462**	**-286**	**-400**	**20,708**
1995 Total	**18,599**	**110**	**2,687**	**415**	**-230**	**21,581**
1996 Total	**18,854**	**109**	**2,784**	**2**	**217**	**21,967**
1997 Total	**18,902**	**103**	**2,837**	**24**	**92**	**21,959**
1998						
January	1,637	11	270	486	-2	2,401
February	1,448	9	240	301	114	2,111
March	1,619	10	244	255	-4	2,123
April	1,562	8	240	-206	102	1,705
May	1,624	7	242	-402	29	1,500
June	1,556	6	230	-336	6	1,462
July	1,586	8	255	-326	49	1,572
August	1,598	8	264	-286	-1	1,583
September	1,454	7	250	-231	-10	1,471
October	1,571	8	253	-269	-81	1,482
November	1,515	10	246	32	-85	1,717
December	1,538	11	259	452	-131	2,129
Total	**18,708**	**102**	**2,993**	**-530**	**-11**	**21,262**
1999						
January	E1,613	E10	295	623	R-13	R2,529
February	E1,462	E8	262	333	R42	R2,107
March	E1,611	E8	276	297	R-58	R2,134
April	E1,530	E8	267	-91	R50	R1,764
May	E1,588	E8	272	-337	R-13	R1,518
June	E1,542	E6	264	-306	R-80	R1,426
July	RE1,569	E7	276	-225	R-118	R1,509
August	RE1,553	E8	E298	-238	R-43	R1,576
September	RE1,521	E7	E292	-310	R-64	R1,445
October	E1,565	E8	296	-148	R-162	R1,558
November	RE1,530	E8	290	30	R-154	R1,705
December	RE1,578	E9	E293	514	R-288	R2,106
Total	**RE18,660**	**E95**	**E3,381**	**141**	**R-902**	**R21,376**
2000						
January	RE1,591	RE10	RE303	780	R-214	R2,470
February	E1,500	RE9	RE283	454	R52	2,297
March	E1,610	E8	E283	162	E-42	E2,021
April(STIFS)	E1,551	E8	E277	RE-45	RE-52	E1,740
May(STIFS)	E1,603	E8	E280	E-255	E-51	E1,585
2000 YTD	**E7,855**	**E43**	**E1,425**	**E1,096**	**E-307**	**E10,113**
1999 YTD	**E7,804**	**E42**	**1,372**	**824**	**8**	**10,051**
1998 YTD	**7,890**	**44**	**1,235**	**434**	**238**	**9,841**

[a] Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1994 through 1998 include underground storage and liquefied natural gas storage. Data for January 1999 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

[d] Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

[R] Revised Data.

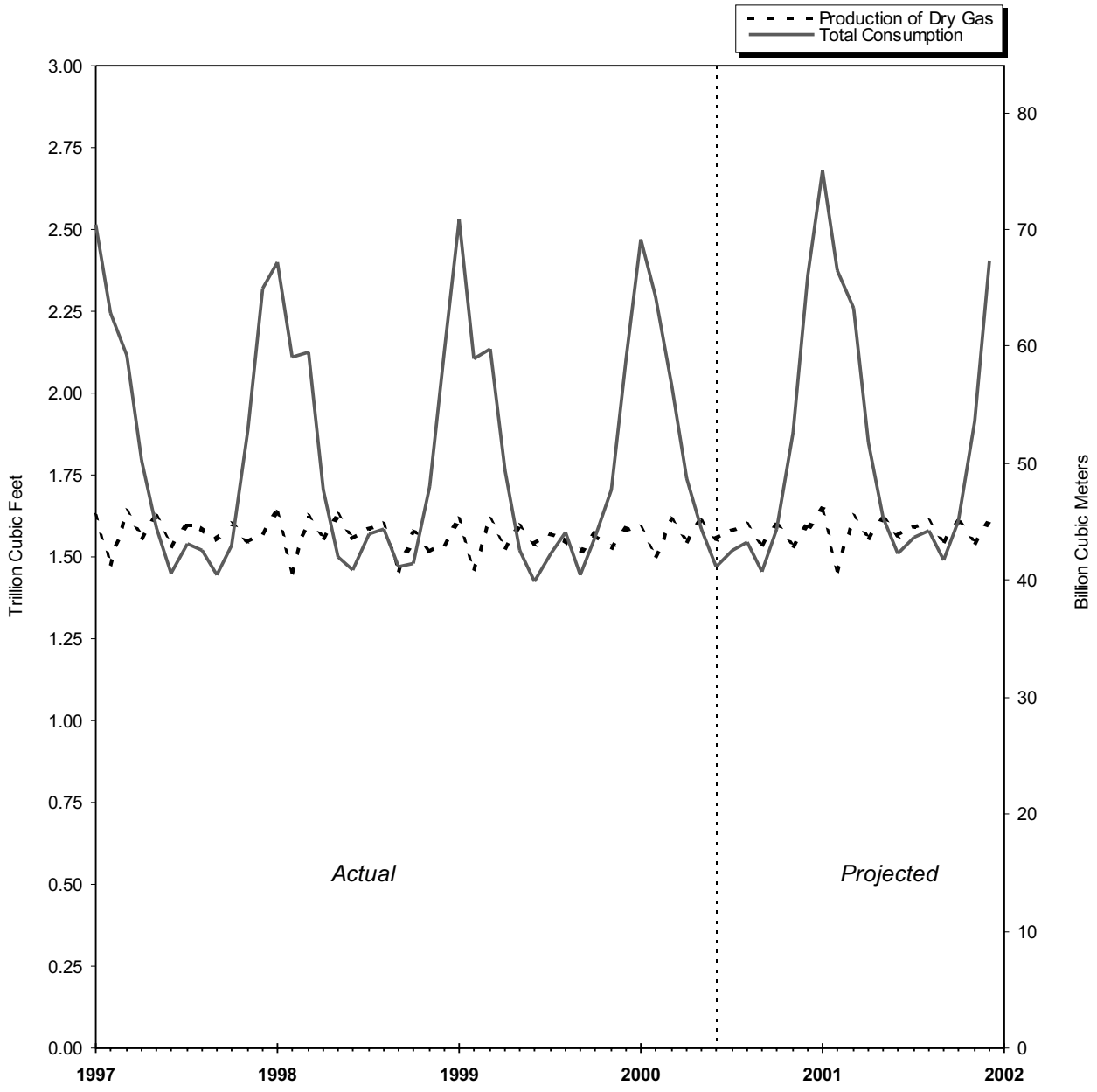
[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*. January 1999 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1997-2001



Sources: 1997 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook*.

Table 3

Table 3. Natural Gas Consumption in the United States, 1994-2000

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel[a]	Pipeline Fuel[b]	Delivered to Consumers					Total Consumption
			Residential	Commercial [c]	Industrial	Electric Utilities	Total	
1994 Total	**1,124**	**685**	**4,848**	**2,897**	**8,167**	**2,987**	**18,899**	**20,708**
1995 Total	**1,220**	**700**	**4,850**	**3,034**	**8,580**	**3,197**	**19,660**	**21,581**
1996 Total	**1,250**	**711**	**5,241**	**3,161**	**8,870**	**2,732**	**20,006**	**21,967**
1997 Total	**1,203**	**751**	**4,984**	**3,219**	**8,832**	**2,968**	**20,004**	**21,959**
1998								
January	101	73	812	451	793	171	2,227	2,401
February	90	64	692	393	739	134	1,957	2,111
March	101	64	648	367	750	194	1,959	2,123
April	97	51	408	256	704	190	1,558	1,705
May	99	44	221	170	676	290	1,357	1,500
June	96	43	153	138	654	379	1,323	1,462
July	97	47	132	142	704	449	1,428	1,572
August	98	47	117	144	719	457	1,438	1,583
September	90	44	121	140	695	381	1,337	1,471
October	98	44	203	173	718	246	1,340	1,482
November	94	51	398	264	732	178	1,572	1,717
December	96	64	616	362	803	189	1,969	2,129
Total	**1,157**	**635**	**4,520**	**3,005**	**8,686**	**3,258**	**19,469**	**21,262**
1999								
January	E106	76	R899	480	791	R176	R2,347	R2,529
February	E96	63	R679	R393	R725	R149	R1,947	R2,107
March	E106	64	R658	R379	R723	R204	R1,964	R2,134
April	E101	53	R416	R260	679	R254	R1,610	R1,764
May	E105	45	R235	R181	682	R270	R1,368	R1,518
June	E101	43	155	R143	R662	R322	R1,282	R1,426
July	E103	45	128	R138	660	R434	R1,361	R1,509
August	E102	47	117	R144	R733	R432	1,427	R1,576
September	E100	43	R137	R143	739	R283	R1,302	R1,445
October	E103	R47	R231	R188	749	240	R1,408	R1,558
November	E101	51	R370	R255	756	R172	R1,553	R1,705
December	E104	63	648	355	760	R176	R1,940	R2,106
Total	**E1,228**	**639**	**R4,674**	**R3,061**	**R8,661**	**R3,113**	**R19,509**	**R21,376**
2000								
January	RE105	R74	R857	R456	R788	190	R2,291	R2,470
February	E99	69	749	426	789	166	2,129	2,297
March(STIFS)	E104	E55	E572	E330	E750	NA	E1,862	E2,021
April(STIFS)	E100	E46	E398	E259	E730	NA	E1,593	E1,740
May(STIFS)	E105	E44	E241	E188	E718	NA	E1,436	E1,585
2000 YTD[d]	**513**	**288**	**2,817**	**1,658**	**3,775**	**356**	**9,312**	**10,113**
1999 YTD[d]	**513**	**300**	**2,887**	**1,693**	**3,601**	**326**	**9,237**	**10,051**
1998 YTD[d]	**488**	**296**	**2,780**	**1,636**	**3,662**	**305**	**9,058**	**9,841**

[a] Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

[b] Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Deliveries to Commercial consumers for 1994-1998 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, and 5.1 in 1998.

[d] Year-to-date volume represents months for which volume information is available in the current year.

[R] Revised Data.

[E] Estimated Data.

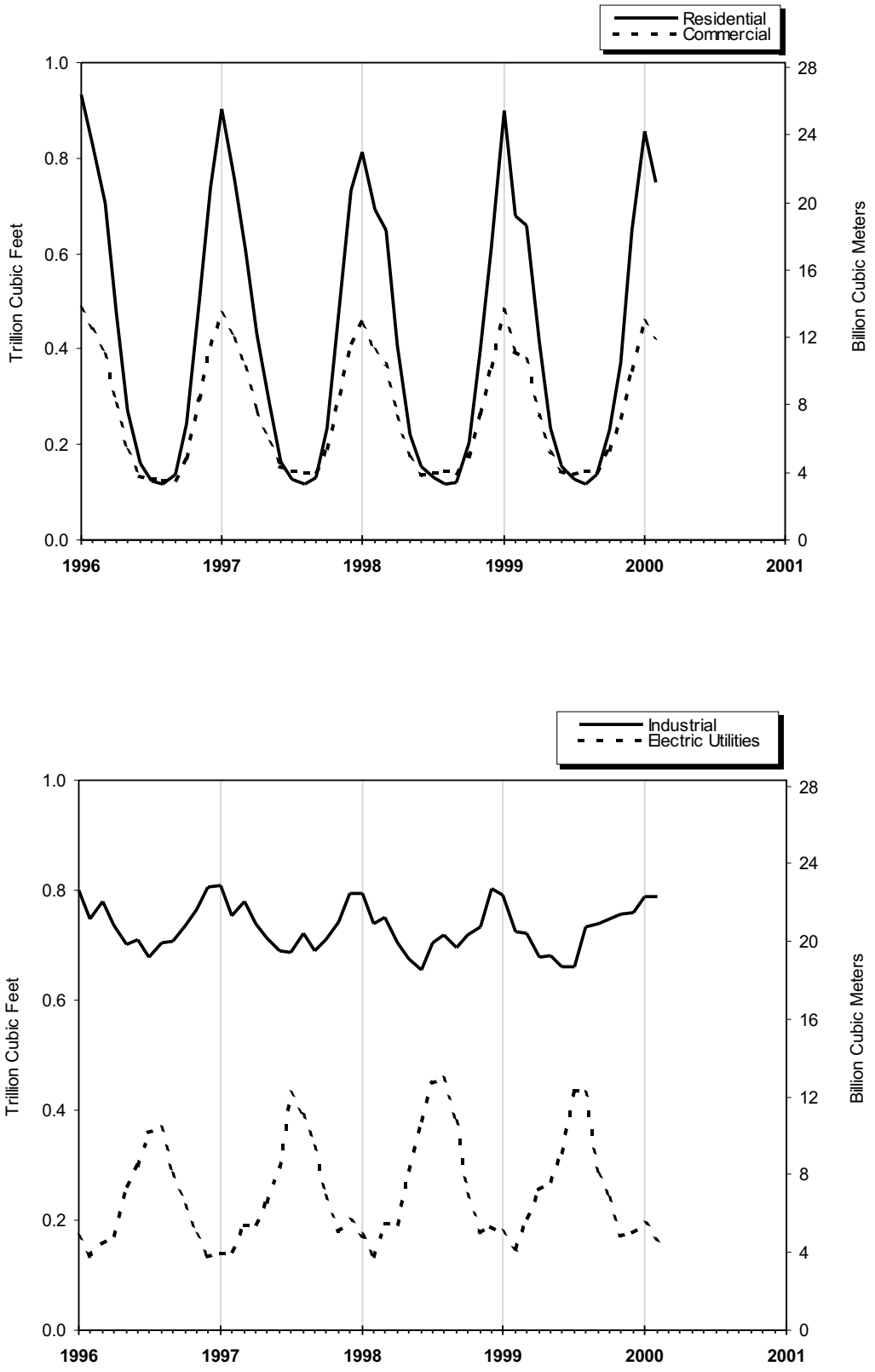
[RE] Revised Estimated Data.

[NA] Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1998: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1998*. January 1999 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1996-2000



Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1994-2000

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price[a]	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total[b]	Price	% of Total[b]	
1994 Annual Average	**1.85**	**3.07**	**6.41**	**5.44**	**79.3**	**3.05**	**25.5**	**2.28**
1995 Annual Average	**1.55**	**2.78**	**6.06**	**5.05**	**76.7**	**2.71**	**24.5**	**2.02**
1996 Annual Average	**2.17**	**3.34**	**6.34**	**5.40**	**77.6**	**3.42**	**19.4**	**2.69**
1997 Annual Average	**2.32**	**3.66**	**6.94**	**5.80**	**70.8**	**3.59**	**18.1**	**2.78**
1998								
January	1.95	3.08	6.41	5.65	73.2	3.67	16.8	2.64
February	1.95	3.08	6.41	5.59	72.9	3.58	16.7	2.51
March	2.05	3.06	6.29	5.40	73.6	3.40	17.3	2.53
April	2.15	3.23	6.81	5.64	67.7	3.28	15.8	2.59
May	2.04	3.12	7.70	5.73	62.6	3.14	14.9	2.47
June	1.90	2.98	8.51	5.51	62.9	2.97	15.1	2.40
July	2.08	3.31	8.53	5.64	56.0	3.04	13.1	2.50
August	1.81	3.01	9.25	5.46	53.3	2.75	13.8	2.21
September	1.69	2.78	8.96	5.49	57.0	2.65	14.2	2.15
October	1.85	2.99	7.60	5.31	59.2	2.75	14.8	2.22
November	1.93	2.99	6.58	5.22	64.5	2.95	15.7	2.37
December	1.94	3.10	6.34	5.23	68.3	2.92	17.2	2.22
Annual Average	**1.94**	**3.07**	**6.82**	**5.48**	**67.0**	**3.14**	**16.1**	**2.40**
1999								
January	[E]1.80	2.84	[R]5.99	5.08	72.7	3.07	15.4	[R]2.32
February	[E]1.73	2.94	[R]6.24	5.17	[R]69.1	2.97	15.5	[R]2.26
March	[E]1.70	2.67	[R]6.01	5.00	[R]68.6	2.91	16.0	[R]2.15
April	[E]1.81	2.91	6.32	5.70	[R]64.6	2.82	15.8	[R]2.29
May	[E]2.10	3.25	7.07	[R]5.11	[R]61.2	2.66	17.1	[R]2.57
June	[E]2.10	3.18	[R]7.90	[R]5.22	[R]59.4	2.87	16.9	[R]2.53
July	[E]2.07	3.11	8.50	5.24	[R]57.4	2.90	17.6	[R]2.58
August	[E]2.34	3.37	[R]8.92	[R]5.31	53.6	3.04	18.0	[R]2.86
September	[E]2.42	3.50	[R]8.41	5.41	[R]57.7	3.13	17.1	[R]2.98
October	[E]2.31	3.50	7.52	[R]5.35	[R]59.7	3.21	17.3	2.83
November	[E]2.44	3.75	[R]7.09	5.46	[R]62.6	3.45	17.7	3.01
December	[E]2.03	3.22	6.46	5.44	66.9	3.26	18.7	[R]2.68
Annual Average	**[E]2.07**	**3.11**	**[R]6.61**	**5.26**	**65.1**	**3.04**	**16.9**	**[R]2.62**
2000								
January	[E]2.12	[R]3.30	[R]6.30	[R]5.38	[R]69.3	[R]3.28	[R]19.2	2.74
February	[E]2.30	3.49	6.45	5.29	71.1	3.39	18.6	[NA]
2000 YTD[c]	**[E]2.21**	**3.39**	**6.37**	**5.34**	**70.2**	**3.34**	**18.9**	**2.74**
1999 YTD[c]	**[E]1.77**	**2.89**	**6.10**	**5.12**	**71.1**	**3.02**	**15.4**	**2.32**
1998 YTD[c]	**1.95**	**3.08**	**6.41**	**5.62**	**73.1**	**3.63**	**16.8**	**2.64**

[a] See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

[b] Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

[c] Year-to-date price represents months for which price information is available in the current year.

[R] Revised Data.

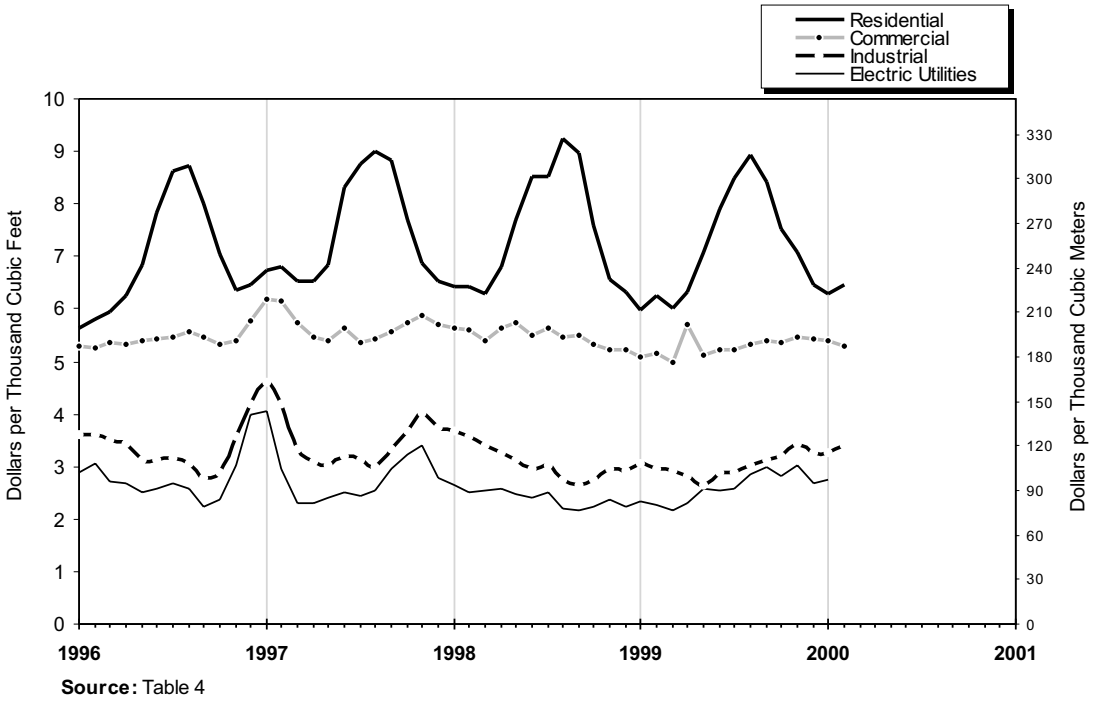
[E] Estimated Data.

[NA] Not Available.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

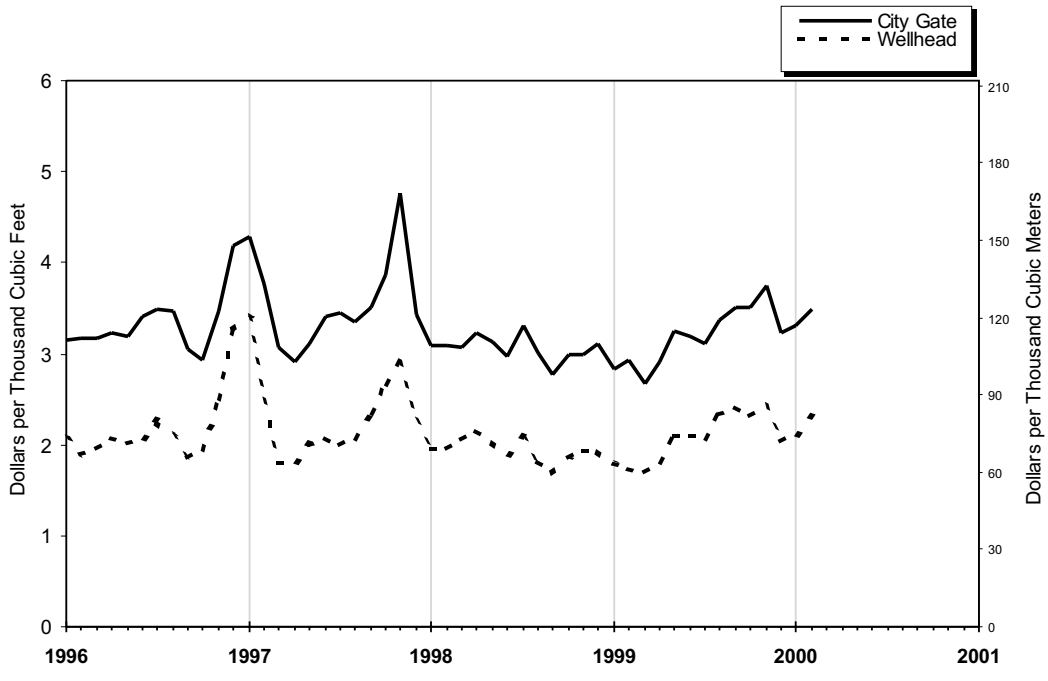
Sources: 1994-1998: Energy Information Administration (EIA) *Natural Gas Annual 1998.* January 1999 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000



Source: Table 4

Figure 4. Average Price of Natural Gas in the United States, 1996-2000



Source: Table 4

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG			
	Canada		Mexico		Algeria		Australia	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	**2,566,049**	**1.86**	**7,013**	**1.99**	**50,778**	**2.28**	**0**	—
1995 Total	**2,816,408**	**1.48**	**6,722**	**1.53**	**17,918**	**2.30**	**0**	—
1996 Total	**2,883,277**	**1.96**	**13,862**	**2.25**	**35,325**	**2.70**	**0**	—
1997 Total	**2,899,152**	**2.15**	**17,243**	**2.31**	**65,675**	**2.67**	**9,686**	**2.92**
1998								
January	276,118	2.06	55	2.12	10,105	2.51	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99
March	257,485	1.97	380	2.20	5,166	2.50	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18
Total	**3,052,073**	**1.95**	**14,532**	**2.03**	**68,567**	**2.51**	**11,634**	**3.30**
1999								
January	290,266	1.98	4,891	1.76	12,612	2.47	0	—
February	258,656	1.89	4,398	1.71	7,423	2.51	2,557	3.56
March	279,161	1.82	751	1.61	12,648	2.70	0	—
April	265,973	1.84	4,192	2.04	7,639	2.46	0	—
May	270,034	2.17	6,843	1.97	3,900	2.67	0	—
June	256,251	2.13	4,978	2.14	2,528	1.96	2,314	2.34
July	271,431	2.27	3,876	2.24	5,133	2.19	0	—
August	287,657	2.49	6,028	2.64	2,554	2.19	2,302	2.35
September	283,625	2.74	4,643	2.42	7,593	2.51	0	—
October	290,306	2.57	4,168	2.52	5,120	2.50	2,309	2.41
November	288,378	2.95	6,463	2.34	2,440	2.88	0	—
December	290,919	2.38	3,297	2.11	5,022	2.54	2,422	2.74
Total	**3,332,658**	**2.28**	**54,528**	**2.17**	**74,612**	**2.50**	**11,903**	**2.70**
2000								
January	305,306	NA	R2,911	NA	5,026	NA	0	—
February	R290,690	NA	R730	NA	4,990	NA	0	—
March	E279,927	NA	316	NA	3,990	NA	0	—
2000 YTD	**E875,923**	NA	**3,957**	NA	**14,006**	NA	**0**	—
1999 YTD	**828,084**	**1.90**	**10,040**	**1.73**	**32,683**	**2.57**	**2,557**	**3.56**
1998 YTD	**772,694**	**1.98**	**2,619**	**2.06**	**22,878**	**2.51**	**2,171**	**3.99**

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other			
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,623,839**	**1.87**
1995 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,841,048**	**1.49**
1996 Total	**0**	—	**0**	—	**4,949**	**3.46**	**0**	—	**2,937,413**	**1.97**
1997 Total	**0**	—	**0**	—	**2,417**	**3.74**	**0**	—	**2,994,173**	**2.17**
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	**0**	—	**0**	—	**5,252**	**2.63**	**0**	—	**3,152,058**	**1.97**
1999										
January	0	—	0	—	0	—	0	—	307,769	2.00
February	2,481	2.75	0	—	0	—	0	—	275,515	1.93
March	0	—	0	—	0	—	0	—	292,560	1.86
April	2,492	1.93	0	—	0	—	0	—	280,296	1.86
May	0	—	5,493	1.90	0	—	0	—	286,270	2.17
June	2,417	1.98	6,620	2.08	0	—	0	—	275,109	2.13
July	2,388	2.60	6,599	2.10	0	—	0	—	289,428	2.27
August	0	—	9,898	2.50	0	—	[a]2,576	2.37	311,014	2.49
September	4,987	2.71	4,393	2.55	0	—	0	—	305,242	2.73
October	0	—	4,394	2.52	0	—	0	—	306,296	2.57
November	2,374	3.07	6,657	2.86	2,713	2.97	0	—	309,026	2.94
December	2,392	3.55	5,256	2.84	0	—	0	—	309,307	2.40
Total	**19,532**	**2.66**	**49,310**	**2.41**	**2,713**	**2.97**	**2,576**	**2.37**	**3,547,832**	**2.29**
2000										
January	0	—	7,779	NA	0	—	0	—	[R]321,022	NA
February	0	—	5,168	NA	0	—	0	—	[R]301,578	NA
March	2,428	NA	14,166	NA	0	—	0	—	[E]300,827	NA
2000 YTD	**2,428**	NA	**27,113**	NA	**0**	—	**0**	—	[E]**923,426**	NA
1999 YTD	**2,481**	**2.75**	**0**	—	**0**	—	**0**	—	**875,844**	**1.93**
1998 YTD	**0**	—	**0**	—	**0**	—	**0**	—	**800,362**	**2.00**

[a] Received from Malaysia.
[R] Revised Data.
[E] Estimated Data.
NA Not Available.
— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1994-2000

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	**52,556**	**2.42**	**46,500**	**1.68**	**62,682**	**3.18**	**0**	—	**161,738**	**2.50**
1995 Total	**27,554**	**1.96**	**61,283**	**1.50**	**65,283**	**3.41**	**0**	—	**154,119**	**2.39**
1996 Total	**51,905**	**2.67**	**33,840**	**2.11**	**67,648**	**3.65**	**0**	—	**153,393**	**2.97**
1997 Total	**56,447**	**2.52**	**38,372**	**2.46**	**62,187**	**3.83**	**0**	—	**157,006**	**3.02**
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	**39,891**	**2.25**	**53,133**	**2.04**	**65,951**	**2.91**	**33**	**5.69**	**159,007**	**2.45**
1999										
January	2,373	1.91	4,526	1.83	5,587	2.61	24	7.48	12,510	2.20
February	3,360	1.94	4,753	1.74	5,563	2.49	28	7.46	13,704	2.11
March	4,883	1.80	5,950	1.64	5,570	2.75	22	7.41	16,425	2.07
April	2,300	1.79	5,049	1.89	5,699	2.48	19	7.23	13,067	2.14
May	2,512	2.26	6,109	2.29	5,586	2.70	24	7.47	14,231	2.45
June	2,255	2.16	5,278	2.32	3,723	2.41	19	7.34	11,275	2.33
July	2,347	2.21	5,613	2.36	5,675	3.13	19	7.20	13,654	2.66
August	2,419	2.44	5,400	2.75	5,628	2.70	19	7.40	13,466	2.68
September	2,301	2.82	5,267	2.94	5,604	2.95	22	7.35	13,194	2.93
October	2,842	2.63	4,085	3.28	3,723	3.28	14	7.18	10,664	3.11
November	8,019	2.94	5,009	2.96	5,580	2.96	22	5.92	18,630	2.95
December	6,750	2.37	3,986	3.81	5,577	3.81	23	5.88	16,336	3.22
Total	**42,361**	**2.34**	**61,025**	**2.44**	**63,514**	**2.86**	**255**	**7.11**	**167,155**	**2.58**
2000										
January	E6,750	NA	R5,937	NA	5,569	NA	NA	NA	RE18,256	NA
February	E6,750	NA	R6,394	NA	R5,566	NA	NA	NA	RE18,710	NA
March	E6,750	NA	7,641	NA	3,769	NA	NA	NA	E18,160	NA
2000 YTD	**E20,250**	NA	**19,972**	NA	**14,904**	NA	NA	NA	**E55,126**	NA
1999 YTD	**10,616**	**1.87**	**15,229**	**1.73**	**16,720**	**2.62**	**74**	**7.45**	**42,639**	**2.12**
1998 YTD	**17,284**	**2.29**	**11,576**	**2.11**	**18,607**	**3.39**	**0**	—	**47,467**	**2.68**

R Revised Data.
E Estimated Data.
RE Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: 1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet)

Year and Month	Alabama[b]	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	**515,272**	**555,402**	**752**	**309,427**	**453,207**	**7,486**	**712,730**
1995 Total	**519,661**	**469,550**	**558**	**279,555**	**523,084**	**6,463**	**721,436**
1996 Total	**530,841**	**480,828**	**463**	**286,494**	**572,071**	**6,006**	**712,796**
1997 Total	**583,272**	**468,311**	**452**	**285,690**	**637,375**	**6,114**	**687,215**
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	**563,779**	**466,648**	**457**	**315,277**	**696,321**	**5,796**	**603,586**
1999							
January	32,042	43,848	31	29,268	64,539	517	52,200
February	29,023	39,443	27	26,541	65,679	448	43,801
March	31,836	42,685	36	30,361	64,787	494	47,290
April	28,413	[E]37,537	38	29,808	60,311	459	45,904
May	33,517	[E]33,279	41	30,944	62,881	427	46,147
June	32,295	[E]35,853	45	28,553	61,281	392	46,452
July	32,356	[E]36,229	60	30,744	61,014	503	[R]46,254
August	32,180	34,246	51	31,632	61,142	570	[R]45,902
September	32,532	32,790	43	31,288	58,471	526	[R]44,294
October	32,386	39,580	43	32,560	62,315	528	[R]45,342
November	32,204	[R]40,458	35	32,442	60,588	566	[R]44,094
December	[R]32,917	[R]43,918	28	31,804	59,278	[R]503	[R]45,740
Total	**[R]381,702**	**[RE]459,865**	**478**	**365,945**	**742,284**	**[R]5,933**	**[R]553,419**
2000							
January	32,291	[E]45,584	37	31,011	[E]61,130	499	43,286

See footnotes at end of table.

Table 7

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Louisiana[b]	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	**5,169,705**	**222,657**	**63,448**	**50,416**	**1,557,689**	**57,805**	**1,934,864**
1995 Total	**5,108,366**	**238,203**	**95,533**	**50,264**	**1,625,837**	**49,468**	**1,811,734**
1996 Total	**5,289,742**	**245,740**	**103,263**	**50,996**	**1,554,087**	**49,674**	**1,734,887**
1997 Total	**5,229,821**	**305,950**	**107,300**	**52,437**	**1,558,633**	**52,401**	**1,703,888**
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	**5,287,870**	**278,076**	**108,068**	**57,645**	**1,501,098**	**53,185**	**1,644,531**
1999							
January	466,143	20,853	9,154	[E]4,947	134,745	4,331	[E]144,408
February	425,121	8,746	8,678	[E]4,700	134,071	3,858	[E]122,928
March	463,776	39,892	9,933	[E]5,002	134,084	4,220	[E]133,354
April	450,953	22,653	9,426	[E]4,749	134,098	4,298	[E]131,587
May	474,329	25,273	9,708	[E]4,894	134,008	4,335	[E]139,036
June	464,118	25,120	9,480	[E]4,118	133,918	4,329	[E]133,557
July	468,257	24,043	9,542	[E]4,340	133,828	4,570	[E]132,444
August	468,679	19,291	9,406	[E]4,552	133,738	4,540	[E]133,202
September	444,299	24,696	9,198	[E]4,621	135,075	4,431	[E]132,151
October	447,547	13,774	9,050	[E]4,527	136,426	4,613	[E]137,584
November	444,283	21,770	8,608	[E]5,019	[E]127,203	4,576	[E]131,472
December	457,337	32,091	8,840	[E]5,371	[E]126,935	4,622	[E]132,433
Total	**5,474,842**	**278,202**	**111,022**	**[E]56,840**	**[E]1,598,128**	**52,722**	**[E]1,604,156**
2000							
January	460,309	[E]36,715	[E]8,646	[E]5,122	[E]140,784	4,596	[E]133,257

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas[c]	Utah	Wyoming	Other[a] States	U.S. Total
1994 Total	**3,221**	**6,353,844**	**270,858**	**696,018**	**774,724**	**19,709,525**
1995 Total	**1,923**	**6,330,048**	**241,290**	**673,775**	**759,728**	**19,506,474**
1996 Total	**1,439**	**6,470,620**	**250,767**	**666,036**	**805,491**	**19,812,241**
1997 Total	**1,173**	**6,453,873**	**257,139**	**738,368**	**736,679**	**19,866,093**
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	**1,067**	**6,318,754**	**277,340**	**761,313**	**704,742**	**19,645,554**
1999						
January	83	542,129	23,467	62,582	[E]60,348	[E]1,695,636
February	84	490,865	21,141	55,832	[E]55,142	[E]1,536,128
March	120	534,240	23,878	67,624	[E]59,456	[E]1,693,066
April	111	507,927	22,076	61,885	[E]55,351	[E]1,607,583
May	113	526,518	22,771	64,838	[E]56,407	[E]1,669,465
June	111	501,865	21,828	63,028	[E]53,875	[E]1,620,216
July	110	521,504	21,707	66,127	[E]55,164	[RE]1,648,796
August	74	517,063	21,493	58,535	[E]55,466	[RE]1,631,761
September	90	503,267	19,725	66,255	[E]54,270	[RE]1,598,021
October	124	525,498	21,610	71,680	[E]59,148	[RE]1,644,334
November	134	508,064	21,364	67,983	[E]57,000	[RE]1,607,863
December	138	521,846	[R]21,554	73,001	[E]60,056	[RE]1,658,412
Total	**1,291**	**6,200,786**	**[R]262,614**	**779,369**	**[E]681,684**	**[RE]19,611,282**
2000						
January	120	527,719	[E]21,803	60,415	[E]58,767	[E]1,672,090

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1999 monthly values for these States are estimated.

[b] For Alabama and Louisiana, all data for 1994 through 1998 include Federal Offshore production. For 1999, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

[c] Federal offshore production volumes are included.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1994-1998: Energy Information Administration (EIA), *Natural Gas Annual 1998*.1999 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, January 2000

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	35,132	566	35,698	1,175	2,091	142	32,291
Alaska	E17,893	E317,664	E335,556	E289,235	0	E738	E45,584
Arizona	37	0	37	0	0	0	37
California	7,426	27,220	34,646	3,394	162	79	31,011
Colorado	E53,472	E8,251	E61,723	E527	0	E66	E61,130
Florida	0	563	563	0	65	0	499
Kansas	39,344	4,059	43,403	74	0	43	43,286
Louisiana	405,069	60,894	465,962	3,655	0	1,999	460,309
Michigan	E29,882	E7,470	E37,352	E263	0	E374	E36,715
Mississippi	E9,441	E435	E9,876	E522	E495	E214	E8,646
Montana	E4,512	E615	E5,127	E6	0	0	E5,122
New Mexico	E132,716	E23,191	E155,906	E948	E13,922	E253	E140,784
North Dakota	1,276	3,548	4,824	0	5	223	4,596
Oklahoma	E120,217	E13,040	E133,257	E0	E0	E0	E133,257
Oregon	144	0	144	4	20	0	120
Texas	467,908	113,220	581,128	37,607	13,356	2,445	527,719
Utah	E19,847	E3,082	E22,929	E35	0	E1,090	E21,803
Wyoming	93,171	4,852	98,023	11,876	12,857	12,874	60,415
Other States	E56,271	E3,167	E59,438	E99	E454	E118	E58,767
Total	**E1,493,756**	**E591,837**	**E2,085,594**	**E349,419**	**E43,427**	**E20,658**	**E1,672,090**

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

E Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total[b]	Volume	Percent	Injections	Withdrawals	Net Withdrawals[c]
1994 Total[a]	**4,360**	**2,606**	**6,966**	**284**	**12.2**	**2,796**	**2,508**	**-288**
1995 Total[a]	**4,349**	**2,153**	**6,503**	**-453**	**-17.4**	**2,566**	**2,974**	**408**
1996 Total[a]	**4,341**	**2,173**	**6,513**	**19**	**0.9**	**2,906**	**2,911**	**6**
1997 Total[a]	**4,350**	**2,175**	**6,525**	**2**	**0.1**	**2,800**	**2,824**	**24**
1998								
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
Total	—	—	—	—	—	**2,905**	**2,379**	**-526**
1999								
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	4,361	1,430	5,792	246	20.7	84	381	297
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
Total	—	—	—	—	—	**2,555**	**2,697**	**141**
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April(STIFS)	[RE]4,364	[RE]1,195	[RE]5,559	[RE]-319	[RE]-21.0	NA	NA	[RE]-45
May(STIFS)	[E]4,364	[E]1,450	[E]5,814	[E]-396	[E]-21.5	NA	NA	[E]-255

[a] Total as of December 31.

[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; and 1998 - 8,179.

[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

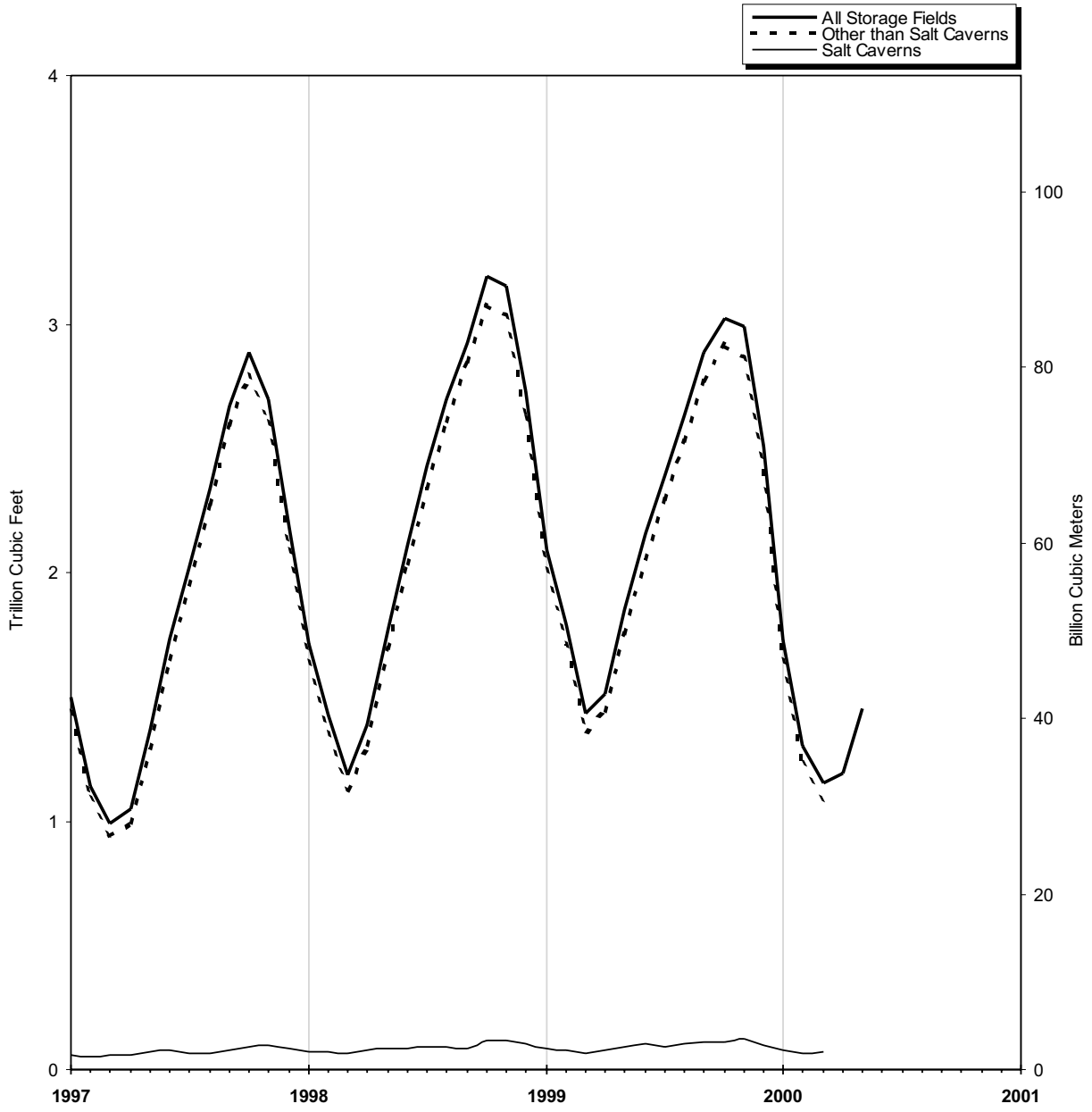
— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1997-2000

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals[a]
October 1997	4,358	2,886	7,244	75	2.7	294	84	-210
1997-1998 Heating Season								
November	4,359	2,699	7,058	150	5.9	113	302	189
December	4,350	2,175	6,525	2	0.1	45	579	533
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
Total	—	—	—	—	—	**438**	**2,165**	**1,727**
1998 Refill Season								
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
Total	—	—	—	—	—	**2,405**	**407**	**-1,998**
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,327	2,094	6,421	381	22.2	55	678	623
February	4,312	1,792	6,104	372	26.2	62	395	333
March	[b]4,361	[b]1,430	5,792	246	20.7	84	381	297
Total	—	—	—	—	—	**422**	**2,141**	**1,719**
1999 Refill Season								
April	4,355	1,514	5,869	131	9.5	203	112	-91
May	4,346	1,847	6,192	72	4.0	380	43	-337
June	4,344	2,157	6,501	54	2.6	345	40	-306
July	4,350	2,390	6,740	-27	-1.1	303	78	-225
August	4,342	2,632	6,974	-66	-2.4	309	70	-238
September	4,360	2,884	7,245	-43	-1.5	352	42	-310
October	4,360	3,026	7,386	-165	-5.2	238	90	-148
Total	—	—	—	—	—	**2,130**	**474**	**-1,656**
1999-2000 Heating Season								
November	4,364	2,991	7,355	-164	-5.2	170	200	30
December	4,373	2,509	6,881	-221	-8.1	54	568	514
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	**[R]482**	**[R]2,423**	**[R]1,940**
2000 Refill Season								
April(STIFS)	[RE]4,364	[RE]1,195	[RE]5,559	[RE]-319	[RE]-21.0	NA	NA	[RE]-45
May(STIFS)	[E]4,364	[E]1,450	[E]5,814	[E]-396	[E]-21.5	NA	NA	[E]-255

[a] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1997 and 1998 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total[a]	**44**	**70**	**113**	—	—	**142**	**123**	**-19**
1995 Total[a]	**60**	**72**	**131**	**2**	**2.9**	**194**	**200**	**5**
1996 Total[a]	**64**	**85**	**149**	**14**	**18.8**	**258**	**246**	**-13**
1997 Total[a]	**67**	**83**	**150**	**-4**	**-3.0**	**267**	**274**	**6**
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	—	—	—	—	—	**297**	**275**	**-22**
1999								
January	69	84	153	14	19.6	19	41	22
February	67	77	144	10	14.3	15	20	5
March	67	68	135	4	6.0	18	26	8
April	67	77	144	-3	-3.8	27	18	-9
May	67	94	161	11	13.4	29	12	-17
June	65	102	167	19	22.6	21	15	-6
July	65	94	160	3	3.0	16	24	8
August	66	102	168	9	9.6	22	14	-8
September	66	113	179	29	35.0	23	13	-10
October	67	114	181	-1	-1.2	21	19	-1
November	67	122	189	4	3.4	21	17	-4
December	67	100	167	-4	-4.1	18	33	15
Total	—	—	—	—	—	**249**	**253**	**4**
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total[a]	**4,317**	**2,536**	**6,853**	—	—	**2,654**	**2,385**	**-269**
1995 Total[a]	**4,290**	**2,082**	**6,371**	**-455**	**-17.9**	**2,372**	**2,774**	**403**
1996 Total[a]	**4,277**	**2,087**	**6,364**	**6**	**0.3**	**2,647**	**2,665**	**18**
1997 Total[a]	**4,283**	**2,092**	**6,375**	**4**	**0.2**	**2,533**	**2,551**	**18**
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	—	—	—	—	—	**2,608**	**2,103**	**-504**
1999								
January	4,257	2,010	6,268	367	22.4	37	638	601
February	4,245	1,714	5,960	363	26.8	47	375	328
March	4,294	1,363	5,657	242	21.6	67	355	289
April	4,288	1,437	5,725	134	10.3	175	94	-81
May	4,279	1,753	6,031	61	3.6	351	31	-320
June	4,279	2,055	6,333	35	1.7	324	24	-300
July	4,285	2,296	6,581	-30	-1.3	287	54	-233
August	4,276	2,530	6,806	-75	-2.9	287	56	-231
September	4,294	2,772	7,066	-73	-2.5	329	29	-300
October	4,293	2,912	7,205	-164	-5.3	217	70	-147
November	4,297	2,869	7,166	-168	-5.5	149	183	34
December	4,306	2,409	6,715	-217	-8.3	36	535	499
Total	—	—	—	—	—	**2,306**	**2,444**	**138**
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1998 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet)

State	2000			1999			
	March	February	January	Total	December	November	October
Alabama	-8	-307	916	-164	189	-134	77
Arkansas	997	1,228	1,722	233	1,276	423	-219
California	-3,144	21,871	27,322	-1,134	23,168	-4,713	-4,840
Colorado	6,707	3,627	6,198	-1,151	5,102	-875	-2,419
Illinois	8,776	34,403	59,032	-492	38,144	2,249	-28,933
Indiana	2,031	1,448	7,049	187	4,137	-2,154	-3,753
Iowa	5,207	11,385	21,126	846	21,305	1,096	-10,941
Kansas	11,548	9,643	25,461	16,997	22,749	979	-1,014
Kentucky	6,759	10,109	21,162	2,256	10,764	2,283	-1,117
Louisiana	19,976	38,771	52,444	-4,822	31,136	4,760	-12,129
Maryland	-65	3,384	5,481	-78	1,417	459	-3,376
Michigan	44,807	80,436	162,410	33,967	97,764	6,940	-21,286
Minnesota	301	298	401	-253	147	-128	-175
Mississippi	-1,228	-595	11,377	14,304	8,997	-2,641	1,133
Missouri	-98	-548	1,122	-557	341	-174	-205
Montana	2,164	3,191	4,177	8,194	2,673	1,189	519
Nebraska	42	1,313	1,019	-294	491	-298	-477
New Mexico	208	1,034	1,032	-2,293	814	-1,202	-260
New York	6,360	13,702	18,533	8,773	12,598	1,472	-938
Ohio	24,219	36,569	58,844	15,699	43,488	8,486	-9,284
Oklahoma	2,165	36,526	45,987	-10,508	15,213	-2,795	-11,483
Oregon	1,766	1,566	2,088	-409	1,381	-592	0
Pennsylvania	11,168	66,917	111,718	20,463	68,921	4,194	-19,002
Tennessee	63	63	175	-28	164	56	-57
Texas	-9,237	34,595	54,376	387	38,053	-770	-11,096
Utah	3,012	7,585	10,093	9,193	12,584	957	-1,889
Virginia	32	105	695	129	467	182	-110
Washington	1,485	2,566	7,755	-2,543	1,684	-38	-1,402
West Virginia	14,440	30,334	57,742	35,234	46,582	10,697	-3,299
Wyoming	1,332	2,373	2,935	-995	2,378	545	-306
AGA Regions							
Producing	24,430	121,202	192,398	14,300	118,238	-1,246	-35,067
Eastern Consuming	123,733	289,313	527,024	115,941	346,773	35,355	-102,700
Western Consuming	13,622	43,076	60,969	10,902	49,118	-3,655	-10,511
Total	**161,785**	**453,592**	**780,391**	**141,142**	**514,128**	**30,454**	**-148,279**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	September	August	July	June	May	April	March
Alabama	-402	-81	-235	-210	-471	-137	312
Arkansas	-237	-901	-1,116	-1,086	-1,045	-667	690
California	-9,773	2,919	-11,199	-20,737	-27,111	-911	9,782
Colorado	-4,873	-5,436	-6,692	-5,526	-307	8,881	3,319
Illinois	-38,601	-30,924	-23,880	-24,188	-27,851	7,599	27,580
Indiana	-4,225	-2,797	-1,681	-1,625	-758	921	3,622
Iowa	-13,108	-12,914	-10,783	-6,837	-4,596	86	5,170
Kansas	-14,496	-9,796	-3,006	-17,080	-12,144	5,085	13,977
Kentucky	-10,052	-1,241	-3,773	-10,131	-8,328	-2,297	6,081
Louisiana	-32,350	-3,569	-3,546	-19,988	-22,324	-16,632	10,263
Maryland	-1,411	-1,954	1,324	93	-2,551	-667	1,208
Michigan	-45,478	-50,880	-51,556	-51,441	-49,536	-23,148	53,123
Minnesota	-272	-250	-308	-172	0	214	167
Mississippi	-2,086	-1,088	852	-3,642	-5,105	-2,240	6,840
Missouri	-408	-64	6	6	-697	-27	150
Montana	-1,472	-2,542	-1,794	-1,784	-568	1,329	2,410
Nebraska	-1,732	-1,004	478	-697	-701	1,168	1,338
New Mexico	-2,232	-841	-172	-443	-1,371	1,025	943
New York	-5,725	-6,853	-5,915	-6,909	-9,935	-5,300	10,688
Ohio	-25,111	-27,587	-27,798	-27,954	-33,732	-5,317	33,698
Oklahoma	-15,540	-1,222	-748	-9,556	-14,068	-8,791	8,079
Oregon	-1,542	-1,313	-2,114	-2,013	168	735	1,185
Pennsylvania	-41,487	-37,841	-27,925	-36,090	-44,102	-24,525	44,023
Tennessee	-105	-104	-76	-107	-143	3	80
Texas	-10,532	-7,923	-6,519	-21,602	-30,819	-15,510	14,152
Utah	-4,860	-4,582	-7,489	-5,915	-3,772	1,667	5,738
Virginia	-418	-207	-209	-211	-273	-184	325
Washington	-402	-2,951	-3,595	-1,765	-786	1,852	1,113
West Virginia	-20,378	-22,999	-23,517	-26,426	-32,000	-13,958	30,271
Wyoming	-1,030	-1,371	-2,294	-1,661	-2,132	-990	352
AGA Regions							
Producing	-77,473	-25,340	-14,255	-73,397	-86,875	-37,730	54,944
Eastern Consuming	-208,641	-197,450	-175,542	-192,727	-215,674	-65,782	217,668
Western Consuming	-24,223	-15,526	-35,485	-39,575	-34,509	12,778	24,066
Total	**-310,337**	**-238,316**	**-225,282**	**-305,699**	**-337,059**	**-90,735**	**296,678**

See footnotes at end of table.

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999		1998				
	February	January	Total	December	November	October	September
Alabama	114	813	-447	139	-1	-613	401
Arkansas	1,049	2,066	-1,774	1,245	63	-580	-817
California	18,491	23,789	-40,969	30,486	-14,022	-23,861	-5,931
Colorado	3,684	3,990	-5,072	7,324	-1,757	-2,045	-5,894
Illinois	41,907	56,407	-9,780	42,407	9,311	-30,361	-39,382
Indiana	2,942	5,558	-921	4,063	-2,296	-2,901	-4,532
Iowa	11,814	20,553	-2,954	20,920	-178	-7,251	-12,282
Kansas	9,273	22,470	-18,691	14,533	3,580	-8,545	-9,036
Kentucky	7,825	12,241	-11,700	10,352	1,731	-5,424	-4,214
Louisiana	15,966	43,591	-82,860	38,463	1,355	-36,341	-9,007
Maryland	1,982	3,399	-876	1,882	29	-1,312	-809
Michigan	57,189	112,276	-74,840	60,982	18,759	-27,000	-30,308
Minnesota	238	287	372	438	-84	-187	-275
Mississippi	3,303	9,981	-10,185	5,464	702	-10,304	268
Missouri	343	170	173	573	-204	-208	-414
Montana	3,375	4,860	-400	3,962	2,606	-1,532	-4,239
Nebraska	442	698	1,466	1,336	625	-308	-778
New Mexico	83	1,364	-6,479	-619	-1,243	-1,903	-470
New York	10,057	15,534	-10,656	6,889	1,047	-4,424	-5,650
Ohio	33,362	53,448	-26,672	35,491	7,882	-12,789	-19,356
Oklahoma	-881	31,284	-48,008	24,711	106	-19,358	-12,262
Oregon	1,717	1,979	-1,278	1,329	49	9	-1,141
Pennsylvania	50,445	83,851	-40,009	46,685	858	-20,516	-28,003
Tennessee	131	130	-62	131	-2	-103	-102
Texas	9,654	43,297	-102,117	36,724	-2,512	-34,274	-4,692
Utah	6,185	10,569	676	6,533	2,087	-1,821	-3,970
Virginia	449	317	-510	371	47	-204	-244
Washington	3,144	603	-539	3,223	-732	718	-1,825
West Virginia	36,278	53,983	-28,267	27,238	3,983	-6,935	-16,431
Wyoming	2,050	3,464	-2,719	2,677	-590	-1,425	-2,614
AGA Regions							
Producing	38,447	154,055	-270,114	120,522	2,052	-111,305	-36,017
Eastern Consuming	255,282	419,379	-206,056	259,459	41,592	-120,349	-162,103
Western Consuming	38,885	49,540	-49,929	55,973	-12,444	-30,145	-25,888
Total	**332,615**	**622,974**	**-526,099**	**435,953**	**31,200**	**-261,799**	**-224,007**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1998					
	August	July	June	May	April	March
Alabama	-200	9	-623	-144	-245	248
Arkansas	-1,005	-1,034	-1,100	-1,046	-471	1,039
California	-7,171	-9,351	-27,432	-29,142	-10,607	-2,021
Colorado	-5,866	-4,055	-3,907	-6,024	3,583	3,844
Illinois	-32,631	-25,975	-32,534	-25,812	-559	28,954
Indiana	-4,058	-2,987	-519	-483	929	4,371
Iowa	-10,097	-14,097	-8,440	-3,579	387	6,794
Kansas	-11,957	-12,830	-6,032	-18,906	-6,791	14,242
Kentucky	-7,859	-11,061	-8,191	-11,810	-2,512	7,813
Louisiana	-20,195	-25,554	-14,745	-22,813	-23,161	7,319
Maryland	-1,413	-2,954	-1,266	-816	-1,138	1,464
Michigan	-52,147	-60,115	-69,950	-69,619	-31,658	55,729
Minnesota	-284	-289	-169	0	159	416
Mississippi	-4,119	-6,008	-2,924	-3,418	-3,682	2,243
Missouri	-203	8	143	-460	48	423
Montana	-4,524	-2,294	-2,024	-2,570	224	3,017
Nebraska	-524	-727	-422	-773	860	1,261
New Mexico	-919	-429	-180	-1,120	287	658
New York	-5,731	-7,931	-8,569	-11,697	-4,090	8,738
Ohio	-27,403	-31,408	-26,039	-36,194	-14,843	28,785
Oklahoma	-7,283	-7,570	-12,648	-23,402	-19,472	7,174
Oregon	-1,143	-1,188	-1,968	0	80	923
Pennsylvania	-19,997	-33,256	-39,947	-58,295	-34,442	39,608
Tennessee	-112	-134	0	0	0	83
Texas	-12,193	-20,397	-20,094	-27,224	-40,175	-8,935
Utah	-3,554	-3,497	-3,938	-3,543	267	1,430
Virginia	-322	-185	-296	-304	-203	322
Washington	-3,645	-313	-2,967	-3,938	1,542	3,328
West Virginia	-29,122	-28,626	-26,455	-26,087	-14,668	23,897
Wyoming	-2,007	-2,807	-3,398	-1,332	116	2,499
AGA Regions						
Producing	-57,671	-73,822	-57,723	-97,929	-93,466	23,740
Eastern Consuming	-191,819	-219,439	-223,109	-246,072	-102,134	208,491
Western Consuming	-28,194	-23,795	-45,804	-46,550	-4,634	13,435
Total	**-277,684**	**-317,056**	**-326,636**	**-390,552**	**-200,234**	**245,667**

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1998 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14

Table 14. Activities of Underground Natural Gas Storage Operators, by State, March 2000

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,178	2,368	802	213.4	44	37
Arkansas	24,191	8,715	3,399	12,114	-291	-7.9	6	1,003
California	388,370	246,825	122,973	369,797	8,806	7.7	12,455	9,310
Colorado	99,600	48,229	19,938	68,167	-3,993	-16.7	476	7,183
Illinois	898,565	675,781	84,010	759,792	-4,347	-4.9	9,741	18,517
Indiana	113,210	73,873	20,617	94,490	-1,277	-5.8	556	2,587
Iowa	273,200	196,700	9,026	205,726	952	11.8	31	5,238
Kansas	301,102	179,167	30,661	209,827	-17,951	-36.9	3,667	15,214
Kentucky	219,908	109,119	52,805	161,924	-14,143	-21.1	882	7,641
Louisiana	564,062	268,871	92,146	361,016	-58,478	-38.8	13,565	33,541
Maryland	62,000	46,677	4,118	50,796	-2,132	-34.1	1,262	1,197
Michigan	1,071,699	468,177	221,550	689,727	-27,526	-11.1	11,956	56,763
Minnesota	7,000	4,623	1,184	5,807	-54	-4.4	0	301
Mississippi	134,012	76,855	28,176	105,031	-3,089	-9.9	4,194	2,967
Missouri	31,274	21,600	9,354	30,954	745	8.7	521	423
Montana	371,510	167,350	28,867	196,217	-6,971	-19.5	559	2,723
Nebraska	39,469	31,507	1,318	32,825	577	77.8	368	411
New Mexico	96,600	29,766	7,078	36,843	34	0.5	884	1,092
New York	175,129	103,063	20,136	123,199	-11,444	-36.2	1,561	7,922
Ohio	575,384	350,678	20,386	371,064	-13,793	-40.4	1,235	25,454
Oklahoma	394,827	210,050	50,720	260,770	-40,962	-44.7	11,174	13,339
Oregon	11,623	6,834	2,146	8,980	-130	-5.7	0	1,766
Pennsylvania	684,842	353,814	104,118	457,933	-28,371	-21.4	24,105	35,273
Tennessee	1,200	340	452	792	0	0.0	0	63
Texas	684,226	250,345	162,885	413,230	-35,176	-17.8	27,449	18,212
Utah	121,980	64,601	9,035	73,636	-6,617	-42.3	809	3,822
Virginia	4,669	2,475	814	3,289	69	9.2	45	77
Washington	37,300	19,000	4,729	23,729	-2,210	-31.9	828	2,313
West Virginia	733,158	286,947	20,467	307,413	-13,721	-40.1	3,912	18,352
Wyoming	105,869	60,762	15,665	76,426	197	1.3	115	1,447
AGA Regions								
Producing	2,199,020	1,023,768	375,064	1,398,831	-155,912	-29.4	60,938	85,368
Eastern Consuming	4,886,987	2,721,943	570,350	3,292,293	-113,611	-16.6	56,222	179,955
Western Consuming	1,143,251	618,224	204,536	822,760	-10,972	-5.1	15,241	28,863
Total	**8,229,259**	**4,363,935**	**1,149,949**	**5,513,884**	**-280,495**	**-19.6**	**132,402**	**294,186**

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999
				February	January	Total
Alabama	17,962	15,515	18,899	9,492	8,470	43,592
Alaska	4,239	4,892	3,956	1,885	2,354	17,634
Arizona	11,422	11,826	12,802	4,618	6,804	32,827
Arkansas	NA	14,310	14,434	NA	NA	NA
California	131,991	166,308	158,518	65,301	66,689	568,355
Colorado	NA	36,767	36,615	NA	NA	113,871
Connecticut	15,208	13,187	11,723	7,692	7,516	37,683
Delaware	3,461	3,028	2,748	1,661	1,800	8,845
District of Columbia	4,269	5,224	4,789	1,570	2,698	NA
Florida	4,444	3,631	4,348	2,360	R2,084	13,025
Georgia	NA	30,601	38,551	NA	NA	NA
Hawaii	97	96	105	49	48	524
Idaho	5,919	5,724	5,216	2,602	3,317	17,870
Illinois	148,509	155,295	130,681	63,987	84,522	445,054
Indiana	NA	NA	48,614	NA	NA	NA
Iowa	25,051	26,835	23,829	10,990	14,061	71,541
Kansas	25,997	NA	24,573	12,303	13,693	NA
Kentucky	21,969	20,414	19,082	8,287	13,682	59,662
Louisiana	16,023	14,992	17,637	7,622	8,400	44,525
Maine	298	298	279	133	165	965
Maryland	30,280	NA	23,165	14,316	15,964	NA
Massachusetts	NA	30,407	33,657	NA	NA	NA
Michigan	122,018	120,853	106,457	58,759	63,259	349,334
Minnesota	NA	42,495	36,649	NA	NA	NA
Mississippi	10,052	8,479	9,582	4,931	5,121	NA
Missouri	39,051	44,842	41,525	17,895	21,157	112,803
Montana	5,848	5,952	5,828	2,729	3,119	19,684
Nebraska	13,950	14,530	14,595	6,728	7,223	40,412
Nevada	NA	9,294	9,175	3,861	NA	28,924
New Hampshire	2,503	2,282	2,114	1,274	1,229	6,626
New Jersey	NA	NA	64,105	NA	32,352	NA
New Mexico	9,619	10,616	12,388	4,437	5,183	R39,727
New York	NA	NA	106,660	NA	NA	NA
North Carolina	24,612	18,700	20,632	13,396	11,216	53,069
North Dakota	NA	3,885	3,405	NA	NA	NA
Ohio	114,599	108,378	95,149	52,516	62,083	NA
Oklahoma	22,484	24,404	25,885	11,476	11,008	62,023
Oregon	12,321	12,119	10,798	5,678	6,643	37,974
Pennsylvania	NA	82,719	72,619	NA	48,155	240,754
Rhode Island	9,957	5,745	5,500	7,100	2,857	R16,601
South Carolina	11,990	9,275	10,805	6,438	5,552	25,708
South Dakota	3,920	4,235	3,861	1,772	2,149	11,766
Tennessee	26,910	23,722	23,556	12,515	14,395	NA
Texas	88,235	62,497	74,823	31,342	56,893	167,593
Utah	15,357	15,945	16,622	7,038	8,319	55,474
Vermont	975	883	824	510	465	2,585
Virginia	28,623	24,335	22,751	13,778	14,846	NA
Washington	NA	NA	21,473	NA	NA	NA
West Virginia	NA	11,177	10,570	NA	5,319	NA
Wisconsin	44,083	43,949	37,432	18,644	25,439	127,909
Wyoming	3,327	3,603	3,923	1,666	1,661	11,926
Total	**1,606,153**	**1,578,631**	**1,503,927**	**748,660**	**R857,493**	**R4,674,273**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	December	November	October	September	August	July
Alabama	5,881	3,137	1,594	1,212	1,151	1,287
Alaska	2,466	2,127	1,423	870	481	486
Arizona	4,643	1,682	1,165	1,006	963	1,065
Arkansas	4,645	NA	1,238	980	952	998
California	65,661	34,480	25,260	24,491	23,371	25,721
Colorado	15,043	8,328	5,670	3,035	2,802	3,145
Connecticut	4,781	3,046	1,513	947	853	946
Delaware	1,114	575	278	169	168	201
District of Columbia	988	1,028	483	325	315	NA
Florida	1,526	944	641	611	605	647
Georgia	NA	R11,967	R7,328	R4,086	R2,389	2,246
Hawaii	42	36	44	41	41	45
Idaho	2,508	1,526	867	436	359	428
Illinois	73,446	38,561	26,429	12,550	9,093	9,972
Indiana	NA	NA	NA	NA	3,329	3,672
Iowa	10,649	5,611	3,470	1,833	1,233	1,825
Kansas	9,572	4,233	2,807	1,572	1,696	1,556
Kentucky	10,875	5,456	2,628	1,402	1,190	1,174
Louisiana	5,696	3,249	2,069	1,733	1,649	1,761
Maine	151	95	62	29	25	22
Maryland	10,623	6,241	3,525	1,951	1,733	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	47,305	29,664	18,342	7,838	6,432	6,908
Minnesota	NA	NA	7,112	3,367	2,523	2,243
Mississippi	3,161	1,650	883	796	690	784
Missouri	14,561	6,894	4,181	2,748	2,296	2,557
Montana	2,842	1,983	1,342	636	378	518
Nebraska	5,117	2,727	2,131	792	1,118	1,003
Nevada	4,420	2,008	1,214	958	926	945
New Hampshire	783	563	311	161	142	153
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	10,279	R4,107	R2,293	R1,029	R805	R956
New York	NA	NA	NA	NA	NA	NA
North Carolina	6,933	3,954	1,684	1,037	924	1,118
North Dakota	NA	960	662	301	197	232
Ohio	46,581	27,730	17,320	6,865	NA	6,624
Oklahoma	7,527	3,631	2,219	1,513	1,444	1,657
Oregon	5,309	3,060	1,592	921	811	839
Pennsylvania	34,006	19,778	11,580	5,776	4,808	5,112
Rhode Island	1,736	1,227	691	445	399	R448
South Carolina	3,805	2,096	737	488	448	492
South Dakota	1,628	918	607	300	224	274
Tennessee	6,612	4,257	1,936	1,526	1,162	1,066
Texas	21,575	10,810	6,857	5,848	5,300	5,982
Utah	9,614	5,321	3,567	2,285	1,484	2,254
Vermont	296	214	124	59	57	56
Virginia	10,564	5,707	2,928	1,488	1,404	1,524
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	1,349	688	NA	533
Wisconsin	21,789	11,462	7,988	3,442	2,821	2,675
Wyoming	1,525	879	746	508	226	310
Total	**647,886**	**R369,768**	**R231,360**	**R137,147**	**R117,444**	**R128,057**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	1,387	1,914	3,979	6,535	6,297	9,218
Alaska	559	939	1,315	2,075	2,223	2,668
Arizona	1,352	2,109	3,319	3,694	5,415	6,411
Arkansas	1,030	1,641	3,732	5,157	5,260	9,049
California	32,952	40,596	62,112	67,403	77,973	88,334
Colorado	4,769	9,761	10,816	13,735	15,467	21,300
Connecticut	1,128	1,879	3,623	5,780	6,082	7,104
Delaware	254	497	989	1,574	1,469	1,560
District of Columbia	399	687	1,269	2,324	2,309	2,915
Florida	712	841	1,217	1,651	1,500	2,130
Georgia	1,525	NA	4,937	11,239	13,564	17,037
Hawaii	43	44	46	44	48	49
Idaho	645	1,244	1,875	2,257	2,633	3,090
Illinois	11,127	15,873	31,264	61,443	61,466	93,829
Indiana	5,062	NA	NA	NA	NA	32,227
Iowa	1,597	3,082	5,544	9,861	10,655	16,180
Kansas	2,170	3,603	6,284	NA	NA	NA
Kentucky	1,336	1,806	4,113	9,268	8,782	11,632
Louisiana	1,908	2,264	3,754	5,450	5,871	9,121
Maine	31	45	76	131	133	165
Maryland	2,172	NA	6,125	NA	NA	14,660
Massachusetts	NA	NA	NA	NA	17,836	12,570
Michigan	10,413	16,098	31,611	53,870	52,118	68,735
Minnesota	3,103	4,967	8,560	15,337	17,086	25,409
Mississippi	813	1,063	NA	3,299	3,016	5,463
Missouri	3,089	5,321	9,692	16,624	18,572	26,270
Montana	645	1,380	1,894	2,114	2,494	3,457
Nebraska	1,180	2,351	3,735	5,726	5,954	8,576
Nevada	1,240	1,853	2,718	3,349	4,332	4,962
New Hampshire	195	371	672	991	1,036	1,246
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	R1,123	R1,650	R2,431	R4,439	R4,092	R6,524
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,316	2,605	5,341	9,456	7,485	11,215
North Dakota	266	627	984	1,318	1,565	2,320
Ohio	7,972	12,577	26,862	51,348	49,202	59,175
Oklahoma	1,923	3,079	6,228	8,399	9,446	14,958
Oregon	1,635	2,754	3,888	5,047	5,783	6,336
Pennsylvania	6,518	11,260	21,700	37,498	36,752	45,967
Rhode Island	557	949	1,702	2,704	2,662	3,083
South Carolina	570	1,195	2,226	4,375	3,588	5,687
South Dakota	324	629	1,140	1,486	1,719	2,516
Tennessee	1,422	NA	NA	7,650	8,927	14,795
Texas	6,729	8,323	14,678	18,993	22,662	39,835
Utah	1,648	2,663	5,267	5,425	7,725	8,220
Vermont	77	159	284	377	387	496
Virginia	1,605	NA	5,135	11,359	11,272	13,064
Washington	NA	NA	NA	NA	NA	NA
West Virginia	656	NA	NA	NA	4,946	6,230
Wisconsin	3,272	5,018	9,062	16,429	17,018	26,931
Wyoming	497	1,095	1,225	1,313	1,674	1,929
Total	**R155,253**	**R234,672**	**R416,086**	**R657,969**	**R679,258**	**R899,373**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1998					
	Total	December	November	October	September	August
Alabama	46,544	4,447	2,468	1,320	1,196	1,183
Alaska	15,617	2,183	1,858	1,346	818	648
Arizona	36,100	4,666	2,008	1,136	940	902
Arkansas	38,190	4,550	2,668	1,109	861	872
California	549,931	68,831	40,200	26,159	22,038	21,625
Colorado	110,839	14,812	8,806	4,366	2,806	2,541
Connecticut	35,329	4,442	3,224	1,518	927	839
Delaware	7,755	895	571	231	176	164
District of Columbia	13,249	1,563	1,088	459	340	328
Florida	14,102	1,127	842	685	657	649
Georgia	107,398	15,049	9,441	4,325	2,889	2,850
Hawaii	535	44	40	39	41	40
Idaho	16,002	2,438	1,510	657	316	292
Illinois	409,812	63,990	43,853	21,536	10,506	10,434
Indiana	140,122	20,031	13,541	6,497	3,221	2,803
Iowa	68,901	10,514	6,345	3,030	1,435	1,445
Kansas	70,217	8,767	5,820	2,322	1,479	1,546
Kentucky	55,545	9,289	6,112	2,220	1,150	1,081
Louisiana	47,574	4,987	2,703	1,785	1,719	1,588
Maine	910	132	95	62	27	25
Maryland	68,057	9,224	6,485	2,863	1,882	1,904
Massachusetts	102,062	12,366	9,367	4,301	2,588	2,370
Michigan	319,701	42,328	29,671	15,956	7,580	6,782
Minnesota	110,449	18,639	12,193	5,319	2,678	2,461
Mississippi	24,847	2,556	1,524	805	725	718
Missouri	110,779	13,873	8,099	3,355	2,627	2,192
Montana	19,172	2,931	2,069	1,266	477	471
Nebraska	40,771	4,230	3,386	1,623	883	1,030
Nevada	30,023	4,335	2,526	1,367	824	813
New Hampshire	6,267	739	566	294	159	156
New Jersey	196,658	25,091	17,413	8,720	5,100	4,945
New Mexico	35,877	7,299	3,552	1,171	841	846
New York	339,512	41,937	30,010	15,308	9,546	8,900
North Carolina	50,786	5,735	4,062	1,217	973	914
North Dakota	10,092	1,427	1,016	475	198	204
Ohio	296,576	43,384	30,086	16,290	6,390	7,314
Oklahoma	66,521	7,513	4,245	1,743	1,449	1,409
Oregon	34,417	5,555	3,180	1,445	767	668
Pennsylvania	217,929	29,772	21,159	10,204	5,161	5,058
Rhode Island	16,461	1,883	1,408	645	436	438
South Carolina	25,430	2,818	1,726	575	471	446
South Dakota	11,646	1,669	1,157	533	248	227
Tennessee	59,386	8,043	4,397	1,447	1,159	1,093
Texas	199,454	28,302	12,931	7,323	5,893	5,774
Utah	56,843	9,846	5,820	4,472	1,916	1,335
Vermont	2,454	289	213	102	114	57
Virginia	63,186	9,067	6,203	2,499	1,467	1,075
Washington	61,936	7,989	4,731	2,427	1,667	1,574
West Virginia	29,664	3,974	2,791	1,300	623	526
Wisconsin	115,946	18,710	11,701	6,381	2,723	2,768
Wyoming	12,702	1,636	1,214	773	310	307
Total	**4,520,276**	**615,913**	**398,094**	**202,996**	**121,417**	**116,631**

R Revised Data.
NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999
				February	January	Total
Alabama	7,939	7,208	8,650	4,156	3,783	28,887
Alaska	4,882	6,407	5,959	2,070	2,812	27,122
Arizona	7,513	7,486	7,666	3,414	4,098	31,242
Arkansas	NA	9,034	8,867	NA	NA	NA
California	49,885	60,735	53,624	23,459	26,427	262,681
Colorado	NA	20,280	18,357	NA	NA	NA
Connecticut	12,442	12,631	11,248	7,072	5,370	46,552
Delaware	1,816	1,982	1,804	874	942	6,029
District of Columbia	3,492	5,034	4,914	1,152	2,340	NA
Florida	13,220	7,785	7,910	6,426	R6,794	35,121
Georgia	NA	13,102	16,750	NA	NA	NA
Hawaii	302	311	319	149	153	1,749
Idaho	3,878	3,809	3,533	1,722	2,156	12,624
Illinois	61,959	61,772	52,727	27,375	34,585	187,862
Indiana	NA	29,198	22,874	NA	NA	NA
Iowa	14,368	15,034	13,962	6,245	8,123	44,813
Kansas	18,492	NA	13,226	8,706	9,786	NA
Kentucky	13,186	11,478	10,286	6,411	6,775	36,301
Louisiana	5,601	6,419	6,638	2,796	2,804	23,541
Maine	795	795	757	341	454	2,555
Maryland	14,489	NA	15,231	8,382	6,107	NA
Massachusetts	NA	NA	27,963	NA	NA	NA
Michigan	57,057	56,461	49,530	26,708	30,349	175,362
Minnesota	NA	29,024	25,220	12,925	NA	89,025
Mississippi	7,083	NA	6,125	3,051	4,032	NA
Missouri	21,028	22,238	20,643	10,534	10,494	63,897
Montana	4,002	3,639	3,800	1,850	2,152	11,931
Nebraska	10,339	10,043	9,302	4,751	5,588	28,000
Nevada	NA	5,389	5,700	NA	NA	23,690
New Hampshire	2,587	2,382	2,161	1,270	1,317	NA
New Jersey	NA	NA	39,622	NA	25,628	NA
New Mexico	7,103	8,799	8,089	3,255	3,847	R30,883
New York	NA	NA	89,422	NA	NA	NA
North Carolina	14,243	11,218	11,959	7,698	6,545	R38,899
North Dakota	NA	3,641	3,120	NA	NA	NA
Ohio	59,909	55,169	51,433	28,924	30,984	NA
Oklahoma	10,903	13,543	14,478	5,725	5,179	R38,315
Oregon	11,618	8,451	7,165	7,219	4,399	28,340
Pennsylvania	48,296	43,806	41,109	23,431	R24,866	143,660
Rhode Island	4,174	3,579	3,459	2,137	R2,037	11,838
South Carolina	6,138	5,193	5,699	3,190	2,948	21,461
South Dakota	2,985	3,216	2,908	1,367	1,617	9,578
Tennessee	19,106	16,067	16,119	8,850	R10,255	NA
Texas	48,647	47,207	39,957	21,581	27,066	187,948
Utah	8,511	8,778	8,796	3,901	4,611	30,361
Vermont	853	783	923	428	425	2,409
Virginia	18,440	17,121	16,880	9,058	9,381	59,723
Washington	NA	NA	13,700	NA	NA	NA
West Virginia	6,918	7,350	6,826	3,011	3,907	NA
Wisconsin	26,130	27,962	22,902	11,346	14,784	87,810
Wyoming	2,507	2,472	2,949	1,173	1,334	9,216
Total	**881,429**	**873,688**	**843,262**	**425,744**	**R455,686**	**R3,060,583**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	December	November	October	September	August	July
Alabama	3,372	2,598	2,176	1,711	1,635	1,626
Alaska	3,432	2,998	2,185	1,520	1,311	1,213
Arizona	3,448	2,220	1,910	1,809	1,683	1,846
Arkansas	1,176	NA	NA	NA	1,520	1,303
California	22,066	18,795	15,657	16,411	20,556	17,100
Colorado	7,790	4,949	NA	2,616	NA	2,630
Connecticut	5,281	3,890	2,641	1,774	2,449	2,535
Delaware	635	388	305	179	159	182
District of Columbia	745	1,301	896	862	840	NA
Florida	3,360	2,920	2,344	2,147	1,965	2,001
Georgia	NA	R4,055	R2,367	R1,400	R1,332	R1,333
Hawaii	147	145	144	144	140	144
Idaho	1,668	1,029	676	459	420	425
Illinois	26,945	15,072	11,908	6,919	6,187	6,218
Indiana	NA	NA	NA	NA	NA	2,795
Iowa	6,400	3,271	2,575	1,626	1,246	1,520
Kansas	4,675	2,480	R2,000	1,792	1,958	1,687
Kentucky	5,357	2,931	1,860	1,189	1,845	1,014
Louisiana	2,098	1,939	1,327	1,132	1,484	1,416
Maine	353	247	165	78	74	75
Maryland	7,058	4,901	3,672	R2,663	R2,495	R2,557
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	22,733	14,306	9,440	5,870	4,984	5,465
Minnesota	12,542	7,993	5,737	3,175	2,956	2,645
Mississippi	2,405	1,686	1,079	1,047	1,063	1,054
Missouri	7,760	3,964	2,805	2,423	2,080	3,128
Montana	1,576	1,101	733	426	346	423
Nebraska	3,012	1,787	1,156	1,067	772	1,074
Nevada	2,671	1,768	1,403	1,268	1,804	1,935
New Hampshire	901	616	384	221	227	212
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	4,876	R2,380	R1,648	R1,399	R1,295	R1,149
New York	NA	NA	NA	NA	NA	NA
North Carolina	4,516	2,935	2,132	1,842	1,595	1,586
North Dakota	NA	913	635	338	262	279
Ohio	22,376	14,754	9,003	4,789	NA	4,701
Oklahoma	3,488	2,622	2,100	R1,552	1,677	1,697
Oregon	3,269	2,256	1,486	1,092	983	1,128
Pennsylvania	19,024	13,226	8,541	5,168	4,672	4,536
Rhode Island	1,019	1,309	651	454	334	501
South Carolina	2,409	1,676	1,251	1,144	1,073	1,127
South Dakota	1,228	736	522	301	267	313
Tennessee	5,515	3,988	3,225	2,919	2,265	2,287
Texas	19,076	15,141	11,359	11,568	12,805	12,486
Utah	4,901	2,725	1,873	1,257	902	1,090
Vermont	258	209	143	81	77	66
Virginia	7,458	5,005	3,541	2,617	2,671	2,613
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	2,474	1,960	1,410	NA	1,235
Wisconsin	12,700	7,385	5,823	2,968	3,189	3,056
Wyoming	1,166	776	678	332	174	315
Total	**355,458**	**R254,500**	**R188,306**	**R143,020**	**R144,150**	**R138,481**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	1,628	1,505	2,190	3,240	3,145	4,063
Alaska	1,326	1,759	1,962	3,009	3,088	3,318
Arizona	2,155	2,519	2,994	3,173	3,587	3,899
Arkansas	NA	NA	2,508	3,392	3,510	5,524
California	17,228	21,902	22,672	29,559	28,130	32,605
Colorado	3,359	5,544	NA	7,598	8,919	11,360
Connecticut	2,591	3,204	3,724	5,831	6,038	6,594
Delaware	215	350	637	998	944	1,038
District of Columbia	940	1,249	1,976	2,334	2,549	2,486
Florida	2,436	2,793	3,408	3,962	3,747	4,038
Georgia	R1,477	NA	2,968	5,657	5,897	7,205
Hawaii	143	143	147	142	158	153
Idaho	520	852	1,233	1,532	1,734	2,076
Illinois	5,979	8,316	14,051	24,495	26,217	35,555
Indiana	NA	NA	NA	NA	12,336	16,862
Iowa	1,406	1,762	3,777	6,196	6,154	8,881
Kansas	1,504	2,018	3,336	NA	NA	NA
Kentucky	1,218	1,690	2,570	5,149	4,979	6,499
Louisiana	1,493	1,625	2,087	2,520	2,729	3,691
Maine	90	122	199	357	341	454
Maryland	R2,710	NA	5,678	NA	NA	9,013
Massachusetts	4,936	5,322	9,335	10,580	NA	6,662
Michigan	6,183	9,050	14,920	25,952	25,441	31,020
Minnesota	2,860	4,058	6,911	11,125	12,637	16,386
Mississippi	1,078	1,204	NA	2,676	2,196	NA
Missouri	2,471	3,258	5,235	8,535	9,736	12,503
Montana	492	734	1,153	1,308	1,542	2,096
Nebraska	1,123	2,174	2,308	3,484	4,246	5,797
Nevada	1,400	1,703	1,977	2,372	2,486	2,903
New Hampshire	266	NA	658	1,026	1,070	1,312
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	R1,302	R2,306	R2,404	3,324	3,748	5,051
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,698	2,221	3,583	R5,572	R4,826	6,392
North Dakota	286	623	909	1,253	1,558	2,083
Ohio	5,540	7,871	15,260	24,202	26,668	28,502
Oklahoma	938	2,265	3,813	4,620	5,679	7,865
Oregon	1,462	2,053	2,699	3,462	3,897	4,554
Pennsylvania	5,041	6,751	12,734	20,162	21,547	22,259
Rhode Island	526	650	1,085	1,731	1,686	1,892
South Carolina	1,109	1,343	1,948	3,188	2,236	2,957
South Dakota	438	493	914	1,149	1,343	1,873
Tennessee	3,361	2,601	NA	6,378	6,629	9,437
Texas	12,020	12,790	15,844	17,651	19,696	27,511
Utah	989	1,858	2,920	3,068	4,198	4,580
Vermont	91	140	227	334	321	462
Virginia	2,584	3,250	5,242	7,620	8,070	9,051
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	1,524	2,253	3,496	3,389	3,961
Wisconsin	2,948	3,362	6,980	11,437	11,592	16,370
Wyoming	448	844	941	1,070	1,120	1,352
Total	**R143,239**	**R180,605**	**R260,331**	**R378,804**	**R393,401**	**480,288**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1998					
	Total	December	November	October	September	August
Alabama	25,707	2,414	1,716	1,248	1,091	1,026
Alaska	27,079	3,372	2,668	2,318	1,619	1,414
Arizona	31,940	3,388	2,352	1,900	1,738	1,719
Arkansas	28,063	3,169	1,999	1,359	1,143	1,205
California	284,885	31,538	26,959	23,016	22,759	25,640
Colorado	63,145	7,432	4,973	3,321	2,371	2,166
Connecticut	42,410	4,986	3,251	2,678	2,033	2,171
Delaware	5,592	629	448	243	180	176
District of Columbia	16,866	1,480	1,205	879	833	843
Florida	37,743	3,320	2,818	2,603	2,556	2,640
Georgia	55,431	5,531	4,094	3,045	2,584	2,618
Hawaii	1,747	151	143	132	140	155
Idaho	11,712	1,640	1,045	577	386	380
Illinois	174,747	24,727	17,109	9,948	6,521	6,399
Indiana	73,184	9,557	7,058	4,311	2,897	1,984
Iowa	43,028	6,006	4,261	2,402	1,210	1,166
Kansas	41,788	4,591	3,019	1,588	1,323	1,713
Kentucky	32,468	4,714	3,198	1,601	1,089	1,073
Louisiana	24,049	2,224	1,707	1,352	1,285	1,364
Maine	2,456	337	247	165	78	74
Maryland	57,432	6,433	4,928	3,287	2,832	3,085
Massachusetts	90,099	6,635	7,440	5,698	2,359	3,606
Michigan	163,400	20,671	15,174	8,608	5,685	5,694
Minnesota	82,377	12,652	8,896	5,356	2,717	2,289
Mississippi	21,360	2,075	1,512	1,155	1,327	1,198
Missouri	62,000	7,177	4,415	2,389	2,192	3,005
Montana	12,961	1,925	1,340	845	439	415
Nebraska	28,911	3,934	2,218	1,036	963	862
Nevada	23,347	2,565	1,855	1,307	1,110	1,071
New Hampshire	6,808	810	612	371	222	229
New Jersey	146,654	18,767	12,883	8,677	7,010	5,711
New Mexico	27,395	4,125	2,233	1,249	1,090	1,073
New York	335,800	34,796	27,494	20,887	16,899	22,277
North Carolina	36,427	3,847	2,741	1,767	1,594	1,571
North Dakota	10,085	1,362	1,020	547	324	348
Ohio	157,061	21,929	14,894	6,706	4,995	4,036
Oklahoma	43,910	5,463	2,771	1,644	1,628	1,641
Oregon	26,024	3,619	2,681	1,291	1,023	880
Pennsylvania	131,036	16,940	12,808	7,032	4,507	4,996
Rhode Island	11,482	1,338	1,019	628	483	195
South Carolina	19,829	1,926	1,531	1,156	1,065	1,028
South Dakota	9,265	1,305	913	363	269	262
Tennessee	52,406	5,924	4,053	2,520	2,390	2,215
Texas	169,613	19,965	14,533	10,107	12,410	11,729
Utah	31,091	4,934	3,202	2,083	1,028	845
Vermont	2,979	401	276	165	125	100
Virginia	58,318	7,186	5,334	3,287	2,449	1,857
Washington	45,673	5,595	3,442	2,102	1,869	1,818
West Virginia	24,991	2,963	2,345	1,579	1,237	1,185
Wisconsin	81,375	11,803	8,411	4,360	3,317	3,096
Wyoming	10,423	1,822	927	493	343	253
Total	**3,004,570**	**362,095**	**264,170**	**173,381**	**139,737**	**144,498**

[R] Revised Data.
[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999
				February	January	Total
Alabama	35,599	33,521	34,699	17,653	17,947	204,829
Alaska	13,575	12,430	12,559	6,390	7,185	74,491
Arizona	4,158	4,651	4,751	2,076	2,081	26,246
Arkansas	28,726	24,630	24,426	13,844	14,883	NA
California	181,924	141,563	135,230	86,174	95,749	944,597
Colorado	NA	11,581	17,225	NA	NA	NA
Connecticut	6,918	5,942	6,590	3,437	3,481	31,800
Delaware	4,709	3,766	3,121	2,254	2,455	21,948
District of Columbia	0	0	0	0	0	0
Florida	23,370	21,699	20,483	11,187	12,183	142,104
Georgia	NA	25,474	31,186	NA	NA	NA
Hawaii	89	65	0	45	44	463
Idaho [a]	6,018	5,882	6,834	2,883	3,135	33,831
Illinois	66,063	63,326	61,364	31,511	34,552	309,467
Indiana	NA	NA	53,981	NA	NA	NA
Iowa	19,975	21,390	19,710	9,865	10,110	103,860
Kansas	19,563	NA	17,742	9,069	10,494	NA
Kentucky	19,111	17,505	17,662	9,248	9,863	92,683
Louisiana	180,413	158,510	155,492	85,238	95,174	969,981
Maine	416	398	390	138	278	R2,507
Maryland	5,616	5,988	6,016	3,448	2,168	R39,858
Massachusetts	NA	17,406	22,726	NA	NA	NA
Michigan	62,183	55,244	61,716	30,858	31,324	285,977
Minnesota	NA	22,027	20,618	NA	R11,720	NA
Mississippi	13,061	NA	14,411	6,812	6,248	NA
Missouri	13,503	NA	13,558	6,938	6,565	NA
Montana	4,697	5,197	4,118	2,555	2,142	23,091
Nebraska	6,757	7,570	8,747	3,272	R3,485	39,589
Nevada	NA	5,690	3,584	NA	2,824	33,250
New Hampshire	1,055	1,010	976	514	541	5,787
New Jersey	NA	NA	40,201	NA	25,739	NA
New Mexico	6,684	NA	4,119	3,148	3,536	NA
New York	53,455	NA	51,792	28,916	24,539	NA
North Carolina	23,325	19,561	19,675	10,971	R12,354	R113,506
North Dakota	2,231	4,278	3,691	1,063	1,169	NA
Ohio	68,296	64,763	67,751	32,879	35,417	NA
Oklahoma	25,624	29,117	33,843	12,730	12,894	141,679
Oregon	19,707	17,998	16,575	9,451	10,256	NA
Pennsylvania	49,589	45,908	42,722	25,178	24,411	242,580
Rhode Island	6,879	6,352	6,761	3,105	R3,774	34,857
South Carolina	17,123	17,038	18,220	8,630	8,493	103,249
South Dakota	945	1,008	1,063	474	471	5,036
Tennessee	27,669	26,467	26,131	13,886	13,783	NA
Texas	285,787	344,866	323,108	164,715	R121,072	NA
Utah	7,431	7,054	8,841	3,661	3,771	40,988
Vermont	597	532	427	357	240	2,819
Virginia	17,012	11,868	14,226	9,755	7,257	95,232
Washington	NA	NA	22,012	NA	NA	NA
West Virginia	NA	7,325	9,296	NA	4,249	NA
Wisconsin	34,171	31,771	30,231	16,048	18,124	147,543
Wyoming	NA	NA	11,673	NA	NA	NA
Total	**1,576,924**	**1,516,212**	**1,532,276**	**788,663**	**R788,261**	**R8,660,692**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	December	November	October	September	August	July
Alabama	18,152	17,655	17,404	16,497	16,973	16,525
Alaska	6,917	6,876	6,613	4,738	4,784	6,932
Arizona	2,231	1,903	1,910	2,160	2,276	1,987
Arkansas	15,108	12,718	13,130	12,362	12,415	10,987
California	78,551	87,915	104,100	98,766	94,185	82,007
Colorado	7,109	7,020	5,262	5,761	5,730	NA
Connecticut	3,499	3,143	2,637	2,283	2,308	2,221
Delaware	2,324	1,787	1,878	1,798	1,670	1,757
District of Columbia	0	0	0	0	0	0
Florida	11,513	11,472	12,236	11,153	12,870	12,478
Georgia	NA	NA	NA	NA	NA	8,080
Hawaii	42	42	39	39	41	40
Idaho [a]	3,033	2,821	2,941	2,735	2,173	2,450
Illinois	31,510	26,906	24,758	22,294	21,598	21,500
Indiana	NA	NA	NA	NA	20,696	22,039
Iowa	8,319	8,799	8,267	7,486	7,425	7,195
Kansas	8,872	6,513	4,188	8,069	10,994	9,275
Kentucky	8,792	8,290	7,899	6,954	6,321	6,402
Louisiana	87,508	82,412	83,388	75,786	78,575	80,375
Maine	281	219	R279	190	R210	R191
Maryland	3,803	3,163	3,333	R3,328	R3,525	R3,338
Massachusetts	NA	NA	NA	NA	R9,414	NA
Michigan	28,881	26,811	21,628	19,077	18,271	19,911
Minnesota	NA	8,081	7,735	7,064	9,164	7,598
Mississippi	7,625	7,206	6,962	6,310	6,287	6,669
Missouri	7,471	6,425	4,991	4,689	4,815	4,751
Montana	2,327	2,039	1,649	1,305	1,326	1,293
Nebraska	2,542	2,490	3,600	4,465	3,949	5,432
Nevada	3,204	2,651	2,826	2,795	2,745	2,504
New Hampshire	413	376	571	471	478	442
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	3,469	3,257	NA	NA	NA	3,371
New York	25,997	26,228	22,097	22,229	NA	NA
North Carolina	11,492	10,003	6,788	8,712	10,082	9,288
North Dakota	NA	1,424	1,201	1,295	1,130	1,155
Ohio	31,330	28,638	27,088	24,938	NA	23,427
Oklahoma	12,067	11,324	10,807	10,617	9,782	9,601
Oregon	10,604	10,619	9,406	8,301	NA	8,008
Pennsylvania	22,035	20,585	19,248	18,426	18,582	17,497
Rhode Island	3,447	2,922	2,322	2,535	2,496	2,969
South Carolina	9,401	9,184	9,005	7,996	7,948	7,342
South Dakota	442	445	466	305	437	419
Tennessee	12,231	11,791	14,210	14,597	13,428	12,826
Texas	139,558	164,006	160,531	182,830	142,569	120,019
Utah	3,853	3,628	3,582	3,192	3,180	3,200
Vermont	327	273	261	183	176	174
Virginia	9,027	5,865	6,033	8,336	11,139	10,441
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	3,458	3,220	3,367	3,942
Wisconsin	15,331	12,721	12,469	10,307	9,595	9,235
Wyoming	5,104	5,138	4,229	5,051	4,651	3,438
Total	**760,352**	**756,493**	**R748,581**	**R738,935**	**R732,833**	**R660,426**

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	15,938	15,947	17,042	19,174	16,360	17,161
Alaska	5,923	6,318	6,244	6,717	5,805	6,626
Arizona	1,956	2,390	2,545	2,237	2,291	2,360
Arkansas	NA	11,429	11,732	12,582	11,561	13,069
California	68,105	69,662	61,776	57,968	71,293	70,270
Colorado	5,605	6,202	7,672	6,272	6,951	4,630
Connecticut	2,055	2,419	2,504	2,790	2,957	2,985
Delaware	1,459	1,789	1,767	1,952	1,878	1,887
District of Columbia	0	0	0	0	0	0
Florida	11,739	11,827	12,512	12,603	10,480	11,219
Georgia	7,177	NA	10,118	13,140	12,545	12,929
Hawaii	43	35	38	39	33	32
Idaho [a]	2,528	2,885	3,167	3,214	3,081	2,802
Illinois	21,056	21,281	25,516	29,721	29,436	33,890
Indiana	21,508	NA	NA	NA	26,942	NA
Iowa	6,980	8,326	10,104	9,569	9,554	11,836
Kansas	7,751	NA	8,130	8,482	7,588	NA
Kentucky	6,535	7,087	7,610	9,289	8,179	9,326
Louisiana	80,334	81,391	79,477	82,222	73,872	84,638
Maine	184	R207	161	189	104	293
Maryland	R2,887	R3,183	R3,243	4,068	3,261	2,727
Massachusetts	NA	8,740	NA	NA	8,643	8,763
Michigan	20,416	22,851	24,820	28,068	26,451	28,793
Minnesota	7,397	7,457	8,485	9,697	11,186	10,841
Mississippi	6,807	7,007	NA	7,375	6,541	NA
Missouri	4,801	4,615	5,395	5,127	NA	6,562
Montana	1,694	1,968	2,120	2,174	2,554	2,642
Nebraska	2,700	2,565	1,178	3,098	3,330	4,240
Nevada	2,573	2,811	2,635	2,816	2,674	3,016
New Hampshire	457	486	578	505	484	526
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	3,279	3,606	NA	3,355	3,047	NA
New York	NA	NA	NA	NA	NA	NA
North Carolina	8,970	8,857	8,867	R10,885	R9,561	10,001
North Dakota	1,266	1,351	1,479	2,037	2,844	1,434
Ohio	23,595	25,248	28,808	32,257	31,603	33,159
Oklahoma	11,576	11,173	13,128	12,486	14,323	14,794
Oregon	7,861	8,216	8,923	9,571	8,595	9,403
Pennsylvania	17,687	18,565	20,802	23,245	23,747	22,161
Rhode Island	2,948	3,343	2,996	2,528	2,930	3,421
South Carolina	7,708	8,102	9,910	9,614	8,225	8,813
South Dakota	282	347	446	439	463	545
Tennessee	11,262	12,000	NA	14,017	12,922	13,545
Texas	142,830	NA	136,782	144,116	159,127	185,739
Utah	2,351	3,422	3,809	3,718	3,350	3,703
Vermont	157	192	243	301	312	220
Virginia	8,708	7,843	8,449	7,524	6,431	5,437
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	3,225	NA	NA	3,460	3,865
Wisconsin	9,243	10,081	12,061	14,729	14,428	17,342
Wyoming	3,056	2,980	3,622	3,837	NA	4,360
Total	**R661,666**	**R682,440**	**R679,481**	**R723,275**	**R725,412**	**790,800**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1998					
	Total	December	November	October	September	August
Alabama	200,305	16,372	15,972	16,540	15,244	16,751
Alaska	75,947	6,439	6,255	6,289	5,678	6,864
Arizona	28,157	2,605	2,381	2,518	2,073	2,504
Arkansas	147,313	12,537	11,482	11,877	12,825	12,791
California	827,401	74,100	67,304	77,426	85,852	82,886
Colorado	87,238	8,462	6,859	6,020	5,309	6,839
Connecticut	32,498	2,838	2,656	2,647	2,217	2,479
Delaware	16,287	1,529	1,421	1,416	1,186	1,223
District of Columbia	0	0	0	0	0	0
Florida	126,891	10,374	10,704	10,000	10,654	10,120
Georgia	164,501	13,256	13,475	12,265	9,104	13,568
Hawaii	373	373	0	0	0	0
Idaho [a]	34,303	2,635	2,803	2,715	2,705	2,533
Illinois	303,668	28,912	27,909	25,306	21,621	20,197
Indiana	290,973	28,353	24,767	24,269	23,418	21,679
Iowa	105,950	9,261	9,761	9,239	7,874	8,136
Kansas	111,143	8,731	10,061	9,356	7,352	10,556
Kentucky	93,217	8,502	8,232	7,864	6,815	6,805
Louisiana	922,155	87,893	66,701	77,953	79,775	80,974
Maine	2,297	204	222	227	193	181
Maryland	38,531	3,564	3,041	3,714	3,104	3,073
Massachusetts	125,286	12,200	10,887	10,111	9,073	10,001
Michigan	282,036	25,198	23,921	21,034	17,171	16,407
Minnesota	104,610	9,322	8,941	9,052	7,632	8,244
Mississippi	78,640	6,811	6,335	6,353	6,054	6,090
Missouri	64,868	5,988	4,728	5,145	4,520	4,621
Montana	21,416	2,260	1,976	1,732	1,496	1,396
Nebraska	53,053	3,124	3,724	3,475	3,341	5,908
Nevada	28,662	3,003	2,747	2,848	1,830	2,751
New Hampshire	5,878	484	531	555	476	498
New Jersey	204,791	18,623	16,241	15,186	16,072	16,183
New Mexico	25,048	2,239	2,108	2,250	2,150	2,194
New York	251,591	16,736	18,774	16,275	19,142	19,693
North Carolina	106,497	8,862	8,835	8,618	8,125	8,495
North Dakota	20,606	1,898	1,770	1,176	1,709	1,601
Ohio	332,955	31,327	27,938	27,071	23,596	22,907
Oklahoma	198,110	13,058	13,327	18,083	19,908	18,714
Oregon	102,770	9,258	8,889	9,230	8,680	9,122
Pennsylvania	231,362	21,244	19,127	18,138	17,766	17,354
Rhode Island	42,278	3,480	3,666	3,832	3,533	3,403
South Carolina	102,324	8,973	8,931	8,668	8,301	8,229
South Dakota	5,607	572	553	322	414	444
Tennessee	145,773	14,316	12,701	12,852	10,349	11,495
Texas	2,023,278	209,528	187,395	168,879	158,949	170,716
Utah	45,501	3,839	3,546	3,444	3,204	3,049
Vermont	2,105	202	181	179	154	135
Virginia	92,801	7,567	7,937	8,992	7,880	9,398
Washington	133,106	11,961	12,639	6,931	13,051	13,388
West Virginia	49,807	4,143	3,909	3,927	3,714	3,798
Wisconsin	141,980	14,896	13,275	11,457	9,745	9,280
Wyoming	54,259	4,642	4,428	4,172	3,612	3,775
Total	**8,686,147**	**802,693**	**731,965**	**717,629**	**694,645**	**719,443**

[a] Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

[R] Revised Data.

[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999
				February	January	Total
Alabama	1,453	1,120	518	434	1,019	[R]20,897
Alaska	6,140	5,315	5,177	2,782	3,358	[R]30,554
Arizona	6,799	4,238	1,764	3,126	3,673	[R]50,876
Arkansas	4,068	1,963	556	3,374	693	[R]40,059
California	15,674	32,103	45,015	7,506	8,168	[R]144,796
Colorado	4,145	1,544	823	2,227	1,918	[R]19,149
Connecticut	597	30	1,245	597	0	[R]13,086
Delaware	1,029	2,058	329	381	647	[R]19,873
District of Columbia	0	0	0	0	0	0
Florida	50,614	28,753	34,701	24,232	26,383	[R]319,351
Georgia	132	36	159	67	65	[R]20,507
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	337	3,873	7,478	78	260	[R]40,700
Indiana	820	679	244	310	510	[R]7,648
Iowa	538	325	450	232	306	[R]5,245
Kansas	2,967	2,207	947	1,465	1,502	[R]35,857
Kentucky	685	487	224	161	524	[R]5,585
Louisiana	34,970	39,495	25,016	14,276	20,694	[R]320,367
Maine	0	0	0	0	0	0
Maryland	777	581	414	259	518	[R]16,382
Massachusetts	267	157	3,551	160	107	[R]8,136
Michigan	7,724	6,755	5,698	3,418	4,306	[R]51,136
Minnesota	486	483	222	190	297	[R]6,590
Mississippi	15,341	10,518	5,864	6,190	9,150	[R]101,613
Missouri	2,728	989	216	1,232	1,496	[R]19,400
Montana	30	59	1	5	25	[R]289
Nebraska	223	82	57	113	110	[R]4,548
Nevada	9,021	8,338	6,910	3,848	5,173	[R]65,131
New Hampshire	178	32	26	57	121	[R]572
New Jersey	984	1,374	946	533	451	[R]32,615
New Mexico	5,928	4,954	3,718	3,027	2,901	[R]35,594
New York	12,524	16,570	27,008	6,938	5,586	[R]181,817
North Carolina	138	42	12	54	84	[R]10,562
North Dakota	0	0	0	0	0	0
Ohio	720	626	210	253	467	[R]11,097
Oklahoma	15,781	18,142	11,606	6,783	8,999	[R]169,826
Oregon	6,107	2,485	2,571	2,942	3,164	[R]23,309
Pennsylvania	597	368	482	221	376	[R]10,363
Rhode Island	0	0	4,210	0	0	0
South Carolina	50	35	44	15	35	[R]5,107
South Dakota	97	247	69	15	82	[R]2,526
Tennessee	409	0	0	117	292	[R]3,453
Texas	138,988	122,886	103,121	65,922	73,066	[R]1,207,294
Utah	700	777	338	327	373	[R]6,481
Vermont	28	8	112	23	5	[R]249
Virginia	3,183	3,611	1,328	1,327	1,855	[R]23,459
Washington	399	69	497	69	330	[R]6,700
West Virginia	47	51	50	32	15	[R]386
Wisconsin	1,837	1,206	770	1,088	749	[R]14,068
Wyoming	24	23	207	13	11	[R]167
Total	**356,284**	**325,694**	**304,906**	**166,419**	**189,865**	**[R]3,113,420**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	December	November	October	September	August	July
Alabama	R674	R889	R557	R1,865	R5,662	R4,716
Alaska	R3,390	R2,841	R2,634	R2,217	R2,278	R2,547
Arizona	R3,284	R3,338	R6,403	R4,701	R6,665	R6,135
Arkansas	R1,981	R2,043	R1,589	R3,113	R7,960	R7,124
California	R7,169	R7,498	R14,585	R9,518	R12,208	R11,705
Colorado	R1,165	R1,110	R1,823	R934	R3,333	R2,527
Connecticut	547	R1,161	R1,321	R1,661	R2,038	3,003
Delaware	R498	R337	R1,352	R1,570	R3,289	R3,803
District of Columbia	0	0	0	0	0	0
Florida	R24,990	R25,442	R30,918	R34,373	R34,327	R33,908
Georgia	174	456	R692	R1,933	R6,483	R4,350
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	R828	R1,837	R1,617	R1,740	R3,915	R11,009
Indiana	R245	R157	R142	R312	R1,236	R2,685
Iowa	R241	R313	R304	R429	R688	R1,546
Kansas	R1,050	R737	R1,127	R1,948	R7,989	R8,412
Kentucky	223	262	188	R463	R1,153	R1,807
Louisiana	R17,337	R16,697	R21,366	R32,452	R42,949	R38,341
Maine	0	0	0	0	0	0
Maryland	R409	R346	R1,338	R1,101	R2,813	R5,838
Massachusetts	R107	R396	R359	R816	R685	R1,487
Michigan	R3,070	3,199	3,869	R3,701	R4,611	R7,577
Minnesota	R149	R253	R106	R208	R868	R2,070
Mississippi	R8,922	R5,720	R6,731	R7,527	R14,254	R14,103
Missouri	R580	R451	R520	R1,147	R5,344	R5,739
Montana	10	14	7	8	28	112
Nebraska	R49	R101	R134	R235	R741	R1,836
Nevada	R6,052	R4,562	R5,621	R6,449	R6,658	R6,822
New Hampshire	134	22	0	161	98	67
New Jersey	R1,066	R1,105	R1,280	R3,190	R6,185	R11,542
New Mexico	R2,683	R2,186	R3,056	R3,403	R4,635	R3,947
New York	R9,010	R11,261	R11,999	R14,135	R19,779	R26,273
North Carolina	R17	R50	R104	R625	R3,571	R4,266
North Dakota	0	0	0	0	0	0
Ohio	R425	R179	R345	R541	R1,535	R3,240
Oklahoma	R9,305	R8,187	R10,785	R13,928	R26,713	R24,843
Oregon	R2,385	R2,968	R4,558	R3,119	R2,010	R1,574
Pennsylvania	R428	R265	R454	R567	R1,894	R3,243
Rhode Island	0	0	0	0	0	0
South Carolina	48	R77	17	165	R1,851	2,291
South Dakota	94	23	69	79	R425	646
Tennessee	29	32	0	174	R1,214	1,208
Texas	R64,468	R63,476	R96,700	R117,677	R177,923	R152,635
Utah	R524	R398	R1,121	R495	R680	R754
Vermont	3	3	1	R91	133	0
Virginia	R1,106	R928	R651	R1,701	R3,354	R4,064
Washington	258	R468	R3,032	R1,276	R434	R51
West Virginia	42	37	46	23	17	25
Wisconsin	688	R572	475	862	R1,775	R4,036
Wyoming	15	10	8	7	5	8
Total	**R175,870**	**R172,408**	**R240,002**	**R282,642**	**R432,405**	**R433,914**

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	R1,941	R1,293	R1,252	R929	R556	R564
Alaska	R2,202	R2,307	R2,300	R2,522	R2,556	R2,758
Arizona	R5,297	R4,293	R4,500	R2,023	R1,801	R2,436
Arkansas	R5,631	R4,008	R2,597	R2,050	R1,395	R569
California	R9,170	R8,655	R15,421	R16,765	R15,698	R16,405
Colorado	R2,119	R1,792	R1,916	R886	R651	R894
Connecticut	R1,802	R1,315	84	R124	1	29
Delaware	R2,537	R2,058	R676	R1,696	R921	R1,137
District of Columbia	0	0	0	0	0	0
Florida	R29,623	R29,642	R28,322	R19,054	R13,254	R15,499
Georgia	R1,726	R1,378	R3,057	R221	20	16
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	R4,861	R2,699	R5,379	R2,941	R1,385	R2,489
Indiana	R1,194	R249	R411	R339	R151	R528
Iowa	R618	R266	R334	R181	R187	R139
Kansas	R3,498	R2,767	R3,697	R2,426	R1,037	R1,171
Kentucky	R481	R201	R188	R131	R81	R406
Louisiana	R34,799	R29,657	R25,383	R21,890	R17,767	R21,728
Maine	0	0	0	0	0	0
Maryland	R1,817	R475	R1,376	R288	138	R443
Massachusetts	R1,621	R1,430	R697	R381	R47	R110
Michigan	R5,195	R5,214	R4,049	R3,896	R3,090	R3,664
Minnesota	R788	R712	R475	R477	R164	R319
Mississippi	R9,852	R9,543	R10,120	R4,324	R4,733	R5,785
Missouri	R1,992	R637	R1,675	R327	R365	R624
Montana	32	6	9	4	5	R54
Nebraska	R724	R195	R335	R115	R43	R39
Nevada	R5,845	R5,660	R4,830	R4,294	R3,737	R4,601
New Hampshire	R25	16	0	16	0	32
New Jersey	R3,447	R2,078	R660	R689	R347	R1,027
New Mexico	R2,732	R2,037	R3,133	R2,829	R2,357	R2,596
New York	R22,550	R23,208	R14,150	R12,883	R8,483	R8,087
North Carolina	R1,238	R147	R474	R28	R4	R38
North Dakota	0	0	0	0	0	0
Ohio	R1,435	R712	R1,118	R941	R324	R302
Oklahoma	R18,378	R13,892	R13,164	R12,488	R7,557	R10,585
Oregon	R878	R2,038	R1,073	R220	R945	R1,540
Pennsylvania	R2,077	R467	R285	R317	R106	R262
Rhode Island	0	0	0	0	0	0
South Carolina	R390	76	109	R49	21	14
South Dakota	R214	215	R280	R233	R122	125
Tennessee	R596	58	R142	0	0	0
Texas	R127,708	R104,517	R97,360	R81,945	R56,206	R66,680
Utah	R691	R192	R395	R454	R392	R384
Vermont	2	1	2	6	2	5
Virginia	R1,888	R2,235	R1,818	R2,103	R1,937	R1,674
Washington	39	R562	R505	6	R41	R29
West Virginia	32	48	29	35	24	27
Wisconsin	R1,896	R1,434	R555	R570	R654	R553
Wyoming	68	6	4	13	14	9
Total	**R321,646**	**R270,394**	**R254,337**	**R204,107**	**R149,319**	**R176,375**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1998					
	Total	December	November	October	September	August
Alabama	25,546	789	568	973	4,213	5,129
Alaska	28,784	2,957	2,669	2,190	2,402	2,038
Arizona	38,674	3,738	2,716	4,777	6,200	8,185
Arkansas	40,576	367	122	1,753	6,764	8,176
California	271,154	17,740	20,126	25,310	31,816	34,624
Colorado	10,627	918	1,046	684	1,378	1,419
Connecticut	10,719	123	9	209	1,605	2,672
Delaware	11,135	911	1,152	985	1,319	1,672
District of Columbia	0	0	0	0	0	0
Florida	281,346	17,667	18,413	28,024	27,465	29,246
Georgia	22,371	259	337	741	3,350	5,027
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	56,337	1,469	1,465	1,426	6,084	7,669
Indiana	9,096	237	172	389	957	1,695
Iowa	5,947	144	147	177	1,099	1,049
Kansas	36,896	1,679	2,097	1,602	6,109	7,062
Kentucky	5,760	136	151	206	978	1,060
Louisiana	318,395	18,345	20,877	24,381	36,591	44,636
Maine	0	0	0	0	0	0
Maryland	12,303	499	188	232	2,565	3,146
Massachusetts	18,427	725	777	918	1,127	1,965
Michigan	48,321	3,449	3,163	3,934	5,415	5,520
Minnesota	7,738	120	268	504	1,538	1,461
Mississippi	76,362	4,126	3,553	4,004	9,141	11,125
Missouri	16,035	515	521	228	3,067	3,997
Montana	522	36	33	48	69	83
Nebraska	5,044	106	35	154	955	1,161
Nevada	60,937	5,362	4,649	5,732	6,460	8,818
New Hampshire	149	0	25	0	0	26
New Jersey	30,996	792	804	376	3,446	6,216
New Mexico	39,034	2,876	2,246	2,708	3,782	4,850
New York	208,348	10,911	8,116	15,872	20,464	34,201
North Carolina	12,418	36	29	136	2,132	3,116
North Dakota	0	0	0	0	0	0
Ohio	7,663	351	170	272	1,333	1,426
Oklahoma	174,577	13,066	11,482	11,983	21,106	26,807
Oregon	28,883	3,009	4,188	3,701	4,014	3,781
Pennsylvania	6,890	357	98	220	561	455
Rhode Island	15,589	0	0	0	0	2,251
South Carolina	5,893	42	97	72	919	1,237
South Dakota	2,865	189	190	61	366	608
Tennessee	6,213	0	0	190	1,860	1,123
Texas	1,242,574	71,865	61,712	95,036	143,064	161,408
Utah	5,945	493	165	648	1,206	1,323
Vermont	188	4	3	7	11	8
Virginia	20,386	757	625	1,435	3,323	3,645
Washington	13,352	635	1,742	3,318	2,749	3,470
West Virginia	417	25	56	52	20	34
Wisconsin	16,348	730	589	486	2,044	2,338
Wyoming	271	5	6	13	9	1
Total	**3,258,054**	**188,557**	**177,596**	**246,171**	**381,075**	**456,960**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

[R] Revised Data.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999
				February	January	Total
Alabama	62,953	57,364	62,767	31,734	31,219	R298,206
Alaska	28,836	29,043	27,652	13,127	15,709	R149,801
Arizona	29,891	28,201	26,982	13,235	16,656	R141,191
Arkansas	NA	49,937	48,283	NA	NA	NA
California	379,473	400,708	392,387	182,440	197,033	R1,920,430
Colorado	NA	70,172	73,020	NA	NA	R274,103
Connecticut	35,166	31,790	30,805	18,799	16,367	R129,120
Delaware	11,014	10,834	8,003	5,170	5,844	R56,695
District of Columbia	7,761	10,258	9,703	2,723	5,038	NA
Florida	91,647	61,868	67,442	44,205	R47,443	R509,601
Georgia	NA	69,212	86,646	NA	NA	NA
Hawaii	489	472	423	243	246	2,735
Idaho	15,815	15,415	15,583	7,207	8,608	64,325
Illinois	276,868	284,266	252,252	122,950	153,918	R983,082
Indiana	NA	142,969	125,713	NA	NA	NA
Iowa	59,933	63,585	57,950	27,333	32,600	R225,459
Kansas	67,019	NA	56,488	31,543	35,475	NA
Kentucky	54,951	49,884	47,253	24,107	30,844	R194,231
Louisiana	237,006	219,417	204,783	109,933	127,073	R1,358,414
Maine	1,509	1,491	1,426	612	897	R6,028
Maryland	51,162	49,124	44,826	26,406	24,756	NA
Massachusetts	NA	63,561	87,897	NA	NA	NA
Michigan	248,982	239,313	223,402	119,744	129,238	R861,809
Minnesota	NA	94,029	82,710	NA	R53,456	NA
Mississippi	45,537	38,308	35,982	20,985	24,552	NA
Missouri	76,310	NA	75,943	36,598	39,712	NA
Montana	14,577	14,846	13,748	7,139	7,438	R54,995
Nebraska	31,270	32,225	32,701	14,864	R16,406	R112,549
Nevada	NA	28,711	25,369	NA	NA	R150,997
New Hampshire	6,324	5,706	5,277	3,116	3,208	NA
New Jersey	NA	NA	144,874	NA	84,169	NA
New Mexico	29,334	NA	28,314	13,867	15,467	NA
New York	NA	NA	274,882	NA	NA	NA
North Carolina	62,318	49,522	52,279	32,119	R30,199	R216,037
North Dakota	NA	11,805	10,216	NA	NA	NA
Ohio	243,525	228,936	214,543	114,573	128,952	NA
Oklahoma	74,792	85,206	85,812	36,714	38,079	R411,843
Oregon	49,753	41,052	37,110	25,291	24,462	NA
Pennsylvania	NA	172,801	156,932	NA	R97,808	R637,358
Rhode Island	21,009	15,675	19,930	12,341	R8,668	R63,296
South Carolina	35,300	31,542	34,769	18,272	17,028	R155,526
South Dakota	7,947	8,706	7,902	3,628	4,319	R28,906
Tennessee	74,093	66,255	65,806	35,369	R38,725	NA
Texas	561,657	577,457	541,008	283,560	R278,097	NA
Utah	31,999	32,554	34,597	14,926	17,073	R133,303
Vermont	2,453	2,207	2,287	1,319	1,134	8,062
Virginia	67,258	56,935	55,185	33,919	33,339	R247,439
Washington	NA	NA	57,683	NA	NA	NA
West Virginia	NA	25,903	26,742	NA	13,490	NA
Wisconsin	106,221	104,888	91,335	47,126	59,096	R377,330
Wyoming	NA	NA	18,753	NA	NA	NA
Total	**4,420,792**	**4,294,225**	**4,184,372**	**2,129,486**	**R2,291,306**	**R19,508,967**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	December	November	October	September	August	July
Alabama	28,079	R24,279	R21,731	R21,285	R25,421	R24,153
Alaska	R16,205	R14,842	R12,855	R9,345	R8,854	R11,178
Arizona	R13,605	R9,143	R11,388	R9,676	R11,588	R11,034
Arkansas	R22,911	NA	R18,005	R17,977	R22,846	R20,412
California	R173,447	R148,687	R159,602	R149,187	R150,320	R136,534
Colorado	R31,107	R21,407	R16,243	R12,346	R14,653	R13,850
Connecticut	R14,109	R11,239	R8,112	R6,665	R7,648	R8,705
Delaware	R4,570	R3,087	R3,812	R3,716	R5,286	R5,944
District of Columbia	1,733	2,329	1,379	1,187	1,155	NA
Florida	R41,390	R40,778	R46,139	R48,284	R49,766	R49,034
Georgia	NA	NA	NA	NA	NA	R16,009
Hawaii	230	223	228	224	222	229
Idaho	7,210	5,377	4,484	3,630	2,952	3,303
Illinois	R132,729	R82,376	R64,712	R43,502	R40,793	R48,698
Indiana	NA	NA	NA	NA	R28,262	R31,192
Iowa	R25,609	R17,995	R14,615	R11,374	R10,591	R12,087
Kansas	R24,168	R13,962	R10,122	R13,381	R22,637	R20,930
Kentucky	R25,247	R16,939	12,576	R10,009	R10,510	R10,397
Louisiana	R112,640	R104,298	R108,150	R111,104	R124,657	R121,893
Maine	785	561	R507	297	R309	R288
Maryland	R21,892	R14,651	R11,868	R9,043	R10,565	NA
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	R101,989	73,980	53,279	R36,486	R34,299	R39,861
Minnesota	NA	NA	R20,691	R13,815	R15,510	R14,556
Mississippi	R22,113	R16,261	R15,655	R15,681	R22,294	R22,610
Missouri	R30,372	R17,734	R12,497	R11,007	R14,536	R16,175
Montana	6,754	5,137	3,731	2,376	2,079	2,345
Nebraska	R10,721	R7,106	R7,021	R6,559	R6,580	R9,346
Nevada	R16,347	R10,990	R11,065	R11,470	R12,132	R12,207
New Hampshire	2,231	R1,578	1,266	1,014	945	874
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	R21,307	R11,930	NA	NA	NA	R9,422
New York	NA	NA	NA	NA	NA	NA
North Carolina	R22,958	R16,942	R10,709	R12,217	R16,172	R16,258
North Dakota	NA	NA	2,498	1,933	1,588	1,666
Ohio	R100,712	R71,301	R53,756	R37,133	NA	R37,991
Oklahoma	R32,388	R25,764	R25,911	R27,611	R39,616	R37,798
Oregon	R21,566	R18,904	R17,042	R13,433	NA	R11,548
Pennsylvania	R75,493	R53,853	R39,823	R29,936	R29,955	R30,388
Rhode Island	6,202	5,458	3,664	3,433	3,229	R3,918
South Carolina	15,663	13,032	11,009	R9,794	R11,320	11,252
South Dakota	3,393	2,122	1,663	986	R1,353	1,652
Tennessee	24,388	20,068	19,371	19,216	R18,069	17,386
Texas	R244,677	R253,432	R275,447	R317,923	R338,597	R291,123
Utah	R18,893	R12,072	R10,142	R7,230	R6,246	R7,298
Vermont	885	698	529	413	R442	295
Virginia	R28,154	R17,505	R13,153	R14,141	R18,568	R18,642
Washington	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	6,813	5,341	7,902	5,735
Wisconsin	50,507	R32,141	26,755	R17,579	R17,380	R19,002
Wyoming	7,809	6,802	5,662	5,898	5,055	4,071
Total	**R1,939,566**	**R1,553,169**	**R1,408,249**	**R1,301,743**	**R1,426,832**	**R1,360,879**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	June	May	April	March	February	January
Alabama	R20,894	R20,659	R24,462	R29,878	R26,359	R31,006
Alaska	R10,011	R11,323	R11,821	R14,323	R13,673	R15,371
Arizona	R10,760	R11,311	R13,358	R11,127	R13,094	R15,106
Arkansas	R19,766	R18,577	R20,569	R23,181	R21,726	R28,211
California	R127,455	R140,815	R161,981	R171,695	R193,094	R207,614
Colorado	R15,851	R23,300	R26,683	R28,491	R31,988	R38,184
Connecticut	R7,576	R8,817	R9,936	R14,525	15,078	16,712
Delaware	R4,465	R4,694	R4,068	R6,220	R5,212	R5,622
District of Columbia	1,339	1,936	3,245	4,658	4,857	5,400
Florida	R44,510	R45,104	R45,459	R37,270	R28,980	R32,887
Georgia	R11,904	R13,106	R21,080	R30,256	32,026	37,187
Hawaii	229	222	231	226	238	233
Idaho	3,694	4,982	6,275	7,004	7,448	7,967
Illinois	R43,024	R48,170	R76,211	R118,600	R118,504	R165,762
Indiana	R31,678	NA	NA	NA	R62,394	R80,575
Iowa	R10,601	R13,436	R19,759	R25,806	R26,549	R37,036
Kansas	R14,923	NA	R21,446	R26,352	R25,835	NA
Kentucky	R9,569	R10,783	R14,482	R23,836	R22,020	R27,863
Louisiana	R118,535	R114,938	R110,702	R112,082	R100,239	R119,178
Maine	305	R374	435	676	578	913
Maryland	R9,585	NA	R16,422	R23,838	R22,282	R26,843
Massachusetts	R28,615	R24,237	R34,645	R44,584	R35,455	R28,106
Michigan	R42,207	R53,211	R75,400	R111,785	R107,100	R132,212
Minnesota	R14,147	R17,194	R24,430	R36,635	R41,073	R52,956
Mississippi	R18,549	R18,817	NA	R17,675	R16,487	R21,821
Missouri	R12,353	R13,831	R21,996	R30,612	NA	R45,959
Montana	2,864	4,088	5,177	5,599	6,596	8,249
Nebraska	R5,728	R7,285	R7,556	R12,423	R13,573	R18,652
Nevada	R11,058	R12,027	R12,159	R12,831	R13,229	R15,481
New Hampshire	R944	NA	1,909	2,539	2,590	3,115
New Jersey	NA	NA	NA	NA	NA	NA
New Mexico	R8,436	R9,600	NA	R13,947	R13,244	NA
New York	NA	NA	NA	NA	NA	NA
North Carolina	R13,223	R13,830	R18,265	R25,942	R21,876	R27,646
North Dakota	1,818	2,600	3,371	4,608	5,967	5,837
Ohio	R38,542	R46,408	R72,047	R108,748	R107,797	R121,138
Oklahoma	R32,814	R30,409	R36,334	R37,992	R37,005	R48,202
Oregon	R11,835	R15,061	R16,583	R18,300	R19,220	R21,832
Pennsylvania	R31,323	R37,043	R55,521	R81,221	R82,151	R90,650
Rhode Island	4,031	4,942	5,782	6,963	7,279	8,396
South Carolina	R9,777	R10,717	14,194	17,226	R14,070	17,472
South Dakota	R1,258	R1,684	R2,780	R3,308	R3,647	R5,059
Tennessee	R16,640	NA	NA	28,046	28,478	37,777
Texas	R289,287	NA	R264,665	R262,704	R257,691	R319,765
Utah	R5,678	R8,135	R12,390	R12,665	R15,666	R16,888
Vermont	327	492	756	1,017	1,023	1,184
Virginia	R14,784	R16,306	R20,645	R28,606	R27,709	R29,226
Washington	NA	NA	NA	NA	NA	NA
West Virginia	5,406	6,188	NA	NA	R11,820	14,083
Wisconsin	R17,360	R19,895	R28,658	R43,165	R43,693	R61,196
Wyoming	R4,070	4,924	5,792	6,234	NA	7,649
Total	**R1,281,804**	**R1,368,110**	**R1,610,235**	**R1,964,155**	**R1,947,390**	**R2,346,836**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1998					
	Total	December	November	October	September	August
Alabama	298,102	24,023	20,725	20,081	21,745	24,088
Alaska	147,426	14,951	13,451	12,143	10,517	10,964
Arizona	134,871	14,397	9,456	10,331	10,952	13,311
Arkansas	254,142	20,624	16,270	16,098	21,593	23,043
California	1,933,371	192,210	154,589	151,911	162,464	164,775
Colorado	271,849	31,624	21,684	14,392	11,864	12,964
Connecticut	120,955	12,389	9,140	7,053	6,782	8,162
Delaware	40,769	3,965	3,593	2,875	2,860	3,235
District of Columbia	30,115	3,043	2,293	1,337	1,172	1,170
Florida	460,082	32,489	32,777	41,312	41,332	42,655
Georgia	349,701	34,095	27,346	20,377	17,928	24,063
Hawaii	2,654	568	183	172	180	195
Idaho	62,018	6,712	5,357	3,949	3,407	3,205
Illinois	944,563	119,098	90,335	58,216	44,732	44,698
Indiana	513,375	58,178	45,538	35,466	30,493	28,161
Iowa	223,826	25,924	20,513	14,848	11,617	11,796
Kansas	260,044	23,768	20,997	14,868	16,265	20,877
Kentucky	186,990	22,641	17,693	11,891	10,032	10,020
Louisiana	1,312,174	113,450	91,988	105,471	119,369	128,563
Maine	5,663	673	564	455	298	281
Maryland	176,323	19,719	14,642	10,097	10,384	11,208
Massachusetts	335,874	31,926	28,471	21,028	15,147	17,943
Michigan	813,457	91,646	71,928	49,532	35,851	34,403
Minnesota	305,174	40,732	30,299	20,231	14,566	14,455
Mississippi	201,209	15,567	12,925	12,317	17,247	19,131
Missouri	253,682	27,553	17,763	11,118	12,406	13,815
Montana	54,071	7,152	5,418	3,891	2,483	2,365
Nebraska	127,779	11,394	9,362	6,287	6,143	8,961
Nevada	142,970	15,265	11,777	11,255	10,223	13,454
New Hampshire	19,103	2,033	1,734	1,219	857	909
New Jersey	579,099	63,273	47,341	32,959	31,628	33,055
New Mexico	127,354	16,540	10,140	7,377	7,864	8,963
New York	1,135,250	104,380	84,394	68,342	66,050	85,071
North Carolina	206,129	18,480	15,666	11,738	12,824	14,096
North Dakota	40,782	4,686	3,807	2,199	2,231	2,153
Ohio	794,255	96,990	73,088	50,339	36,314	35,683
Oklahoma	483,117	39,100	31,825	33,453	44,090	48,570
Oregon	192,094	21,441	18,938	15,667	14,484	14,451
Pennsylvania	587,218	68,314	53,193	35,593	27,995	27,864
Rhode Island	85,811	6,701	6,093	5,105	4,453	6,287
South Carolina	153,476	13,758	12,286	10,471	10,756	10,940
South Dakota	29,383	3,735	2,813	1,279	1,297	1,541
Tennessee	263,778	28,282	21,151	17,009	15,757	15,925
Texas	3,634,920	329,660	276,571	281,344	320,315	349,628
Utah	139,380	19,111	12,732	10,647	7,354	6,552
Vermont	7,726	895	673	453	403	301
Virginia	234,692	24,576	20,099	16,212	15,119	15,975
Washington	254,067	26,180	22,554	14,778	19,336	20,249
West Virginia	104,879	11,105	9,102	6,858	5,594	5,542
Wisconsin	355,650	46,138	33,976	22,684	17,828	17,482
Wyoming	77,656	8,105	6,575	5,451	4,274	4,335
Total	**19,469,047**	**1,969,258**	**1,571,825**	**1,340,176**	**1,336,874**	**1,437,532**

[R] Revised Data.
[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999		
				February	January	Total	December	November
Alabama	3.00	2.69	3.01	3.05	2.95	3.06	3.39	3.74
Alaska	1.59	1.33	1.74	1.56	1.61	1.32	1.32	1.34
Arizona	2.82	2.18	2.38	2.97	2.70	2.72	2.68	3.37
Arkansas	NA	2.98	2.98	NA	NA	NA	2.26	NA
California	2.72	2.24	2.25	2.88	R2.59	2.60	2.67	3.25
Colorado	NA	2.17	2.79	NA	NA	NA	2.27	NA
Connecticut	5.68	4.57	5.23	6.00	5.40	5.03	5.42	7.17
Delaware	3.57	3.65	2.85	3.29	3.80	3.45	2.78	3.48
District of Columbia	8.69	—	—	8.69	—	8.88	8.88	—
Florida	3.47	3.27	3.61	3.55	R3.40	3.36	3.65	3.50
Georgia	NA	3.88	3.31	NA	NA	NA	NA	NA
Hawaii	7.27	4.78	6.08	7.40	7.14	5.62	7.40	7.20
Idaho	2.51	1.83	1.92	2.52	2.50	2.23	2.50	3.07
Illinois	3.02	2.53	2.85	3.13	2.93	3.00	3.13	3.55
Indiana	NA	2.18	2.50	NA	NA	NA	NA	NA
Iowa	3.22	2.79	3.14	3.47	3.03	3.28	3.98	3.95
Kansas	3.38	NA	2.85	3.61	3.21	NA	3.12	3.60
Kentucky	3.74	3.16	3.16	3.88	3.65	3.27	3.42	3.82
Louisiana	3.12	2.18	2.53	3.30	2.96	2.52	2.71	3.84
Maine	3.08	3.07	3.33	2.92	3.23	NA	4.33	2.66
Maryland	3.71	NA	3.28	3.94	3.53	NA	3.29	4.28
Massachusetts	NA	NA	3.29	NA	NA	NA	NA	NA
Michigan	3.06	2.90	2.92	3.01	3.11	2.83	2.93	2.95
Minnesota	NA	2.70	2.90	NA	NA	NA	NA	NA
Mississippi	3.20	NA	3.06	3.32	3.10	NA	3.05	3.49
Missouri	3.21	2.64	2.98	3.40	3.07	3.34	3.02	3.87
Montana	2.86	2.73	2.64	3.05	2.72	2.57	2.91	3.00
Nebraska	3.23	2.99	2.87	3.54	2.97	3.12	3.50	3.79
Nevada	NA	2.47	3.04	3.50	NA	2.59	3.27	3.01
New Hampshire	3.85	3.65	3.79	3.91	3.80	3.82	4.09	4.84
New Jersey	NA	NA	3.85	NA	3.67	NA	NA	NA
New Mexico	2.44	2.11	2.15	2.36	2.50	NA	2.42	2.64
New York	NA	NA	2.51	NA	NA	NA	NA	NA
North Carolina	3.77	3.06	3.57	3.99	3.57	3.33	3.61	3.94
North Dakota	NA	2.85	2.89	NA	NA	NA	NA	4.13
Ohio	4.92	4.37	4.56	4.85	4.98	NA	4.48	4.66
Oklahoma	NA	3.33	2.74	2.66	NA	2.84	3.59	3.56
Oregon	3.05	2.54	2.43	3.14	2.97	2.94	3.03	3.44
Pennsylvania	3.59	3.23	3.66	3.87	3.44	3.64	3.33	4.03
Rhode Island	3.38	3.27	3.98	3.30	R3.45	3.95	5.29	4.37
South Carolina	3.71	3.12	3.19	3.84	3.60	3.47	3.51	3.86
South Dakota	3.59	3.26	3.39	4.04	3.26	3.52	3.67	4.05
Tennessee	3.30	2.82	3.64	3.74	3.06	NA	3.69	4.21
Texas	2.98	2.75	2.85	2.97	2.98	2.84	2.92	3.45
Utah	3.44	2.97	3.45	3.44	3.45	2.98	3.54	3.34
Vermont	3.50	2.92	2.62	3.56	3.46	2.85	1.43	3.85
Virginia	3.88	3.15	3.81	4.10	3.71	NA	3.34	4.37
Washington	NA	NA	2.42	NA	NA	NA	NA	NA
West Virginia	NA	4.43	3.28	NA	3.45	NA	NA	NA
Wisconsin	3.05	2.59	3.10	3.20	2.94	3.07	2.79	4.03
Wyoming	3.84	3.26	3.42	3.85	3.83	NA	4.03	NA
Total	**3.39**	**2.89**	**3.08**	**3.49**	**R3.30**	**3.11**	**3.22**	**3.75**

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	3.45	3.61	3.62	3.33	3.53	2.86	2.70	2.65
Alaska	1.36	1.41	1.11	1.26	1.27	1.23	1.32	1.33
Arizona	3.30	3.66	3.52	3.26	3.16	3.03	2.39	2.18
Arkansas	NA	NA	2.98	3.04	NA	NA	2.71	2.58
California	3.35	3.00	2.80	2.51	2.57	2.71	2.17	2.07
Colorado	NA	NA	NA	NA	2.44	2.36	1.14	1.84
Connecticut	4.58	5.85	4.52	5.39	4.33	5.19	4.87	4.57
Delaware	2.73	4.01	3.53	4.43	5.10	3.91	3.12	3.33
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.74	3.60	3.53	3.22	3.27	3.27	2.99	3.11
Georgia	NA	NA	NA	3.42	4.10	NA	3.11	3.33
Hawaii	6.48	6.23	5.59	5.61	5.45	4.72	4.68	4.53
Idaho	2.94	3.27	2.74	2.72	1.50	1.69	1.94	1.82
Illinois	3.41	3.87	3.73	3.23	3.17	3.62	2.63	2.51
Indiana	NA	NA	2.50	2.02	2.05	NA	NA	NA
Iowa	3.49	3.71	3.97	3.54	4.26	3.63	3.03	2.77
Kansas	3.41	3.91	4.88	2.52	3.08	2.94	2.54	NA
Kentucky	3.63	3.46	2.85	3.06	2.89	3.63	3.72	2.79
Louisiana	3.16	3.34	2.46	2.24	2.27	2.41	2.14	2.16
Maine	3.37	2.69	3.18	5.39	3.67	NA	5.48	3.05
Maryland	4.80	5.38	6.24	NA	5.86	NA	NA	NA
Massachusetts	NA	NA	NA	NA	NA	5.89	NA	NA
Michigan	2.86	2.83	2.79	2.83	2.63	2.83	2.75	2.79
Minnesota	2.85	3.72	3.52	3.30	3.23	2.87	2.49	2.70
Mississippi	3.29	3.30	3.05	2.84	2.49	2.66	NA	2.61
Missouri	4.23	5.38	5.25	5.14	4.90	4.56	3.43	2.75
Montana	2.65	2.30	2.12	2.08	2.20	1.37	2.39	2.98
Nebraska	3.14	3.28	2.33	3.25	3.24	3.45	2.94	2.90
Nevada	3.20	3.94	5.42	0.83	3.60	3.07	2.13	2.31
New Hampshire	3.40	4.12	3.96	4.77	4.06	3.32	3.59	3.24
New Jersey	NA	NA	NA	NA	NA	NA	NA	1.20
New Mexico	NA	NA	NA	2.06	2.13	2.06	1.81	1.98
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	3.74	3.90	3.52	3.21	3.34	3.52	3.25	2.73
North Dakota	3.38	3.41	3.35	2.90	2.83	2.97	2.57	2.58
Ohio	4.90	5.21	NA	5.07	5.81	6.71	7.73	4.43
Oklahoma	2.64	2.84	1.87	2.19	2.47	2.23	2.35	2.36
Oregon	3.10	3.64	4.05	3.74	3.28	2.84	2.66	2.59
Pennsylvania	4.09	4.98	6.70	5.13	4.35	4.28	3.77	2.95
Rhode Island	4.79	4.95	4.88	5.41	4.73	4.46	4.09	3.06
South Carolina	3.73	4.14	3.85	3.63	3.80	3.85	3.43	2.86
South Dakota	3.37	3.50	4.02	4.03	3.72	4.21	3.37	3.25
Tennessee	3.71	3.53	4.18	3.25	2.75	2.81	NA	2.79
Texas	3.17	2.98	2.98	2.77	2.78	2.86	2.45	2.38
Utah	2.75	3.23	2.93	4.04	2.62	2.07	2.31	2.76
Vermont	3.42	2.68	2.70	2.63	3.12	3.34	3.07	2.92
Virginia	3.73	7.51	5.60	7.13	5.27	NA	3.70	3.35
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	3.46	1.33	NA	3.16	3.89	2.64	NA	NA
Wisconsin	3.34	4.26	4.14	3.84	4.12	3.62	2.83	2.64
Wyoming	3.28	3.99	3.81	3.51	2.53	3.01	3.23	2.85
Total	**3.50**	**3.50**	**3.37**	**3.11**	**3.18**	**3.25**	**2.91**	**2.67**

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999		1998					
	February	January	Total	December	November	October	September	August
Alabama	2.79	2.62	3.17	3.16	3.17	3.50	3.24	3.50
Alaska	1.34	1.32	1.72	1.73	1.74	1.73	1.71	1.71
Arizona	2.19	2.17	2.55	2.31	2.54	2.62	2.77	2.85
Arkansas	3.40	2.69	2.94	3.13	3.03	2.93	1.88	2.38
California	2.25	2.23	2.38	2.75	2.49	2.22	1.98	2.46
Colorado	2.07	2.25	2.40	2.74	2.18	2.24	0.63	2.26
Connecticut	4.74	4.44	5.06	5.51	4.54	4.31	4.69	4.87
Delaware	3.68	3.63	3.02	4.10	3.83	3.75	3.90	2.79
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.19	3.33	3.42	3.50	3.76	3.51	3.13	3.22
Georgia	3.45	4.41	3.51	4.34	3.24	3.08	3.37	3.44
Hawaii	4.47	5.07	5.33	5.17	5.14	4.95	5.12	5.06
Idaho	1.92	1.76	1.95	1.86	1.99	1.95	2.38	2.14
Illinois	2.59	2.49	2.77	2.75	2.65	2.43	2.24	2.49
Indiana	2.26	2.11	2.45	2.43	2.57	2.47	2.58	2.38
Iowa	3.02	2.63	3.34	2.79	3.05	4.98	4.00	4.03
Kansas	NA	NA	2.96	2.79	3.19	2.94	2.67	2.92
Kentucky	3.10	3.21	3.23	3.08	3.19	2.94	3.58	2.85
Louisiana	2.19	2.18	2.33	2.48	2.20	2.13	2.01	2.05
Maine	2.84	3.27	3.43	3.82	2.66	3.37	2.69	3.21
Maryland	NA	2.87	4.12	5.70	3.38	4.15	13.58	5.83
Massachusetts	NA	NA	4.01	3.15	3.58	4.46	6.11	5.75
Michigan	3.02	2.79	2.80	3.05	2.86	2.61	2.69	2.79
Minnesota	2.84	2.60	2.98	3.04	3.04	2.74	2.78	3.06
Mississippi	2.71	NA	3.00	3.11	3.06	2.91	2.65	2.67
Missouri	2.89	2.49	3.33	2.77	3.12	4.06	4.50	4.61
Montana	2.70	2.76	2.43	2.44	2.60	2.32	2.22	1.88
Nebraska	3.11	2.90	3.02	3.10	2.84	3.03	2.90	3.01
Nevada	2.54	2.42	3.02	2.65	2.60	2.48	3.79	4.43
New Hampshire	3.56	3.73	3.75	3.88	3.52	3.22	3.34	3.80
New Jersey	NA	NA	3.71	4.84	4.10	4.08	5.83	3.80
New Mexico	2.08	2.13	2.08	2.18	2.17	1.75	1.64	1.86
New York	NA	NA	2.65	3.04	2.84	2.83	2.56	2.44
North Carolina	3.00	3.11	3.49	3.09	3.16	3.46	3.20	3.43
North Dakota	2.84	2.85	2.81	3.01	3.10	3.05	2.11	2.49
Ohio	4.62	4.22	4.70	4.32	4.22	6.02	5.54	4.70
Oklahoma	5.21	2.41	2.55	2.54	2.52	2.16	2.73	2.61
Oregon	2.68	2.43	2.73	2.50	2.61	2.72	2.93	3.58
Pennsylvania	3.42	3.10	4.12	3.47	3.69	3.73	4.73	5.10
Rhode Island	3.20	3.32	3.78	1.26	4.05	4.07	4.30	4.66
South Carolina	3.09	3.14	3.39	3.24	3.30	3.40	3.35	3.46
South Dakota	3.37	3.18	3.24	2.69	3.07	2.93	3.91	4.68
Tennessee	2.76	2.86	3.47	3.28	3.57	3.06	2.42	2.77
Texas	2.61	2.83	2.63	2.85	2.59	2.37	2.09	2.35
Utah	3.11	2.86	3.22	3.58	3.07	2.94	3.37	3.48
Vermont	3.01	2.85	2.58	2.52	2.67	1.99	2.26	2.34
Virginia	2.97	3.31	3.74	3.28	3.31	3.80	4.86	5.14
Washington	NA	NA	2.34	2.38	1.79	2.46	2.37	2.20
West Virginia	3.21	6.98	3.17	3.80	3.55	3.22	2.58	2.43
Wisconsin	2.77	2.47	3.29	2.84	3.10	3.18	3.76	4.23
Wyoming	3.49	3.07	2.73	4.14	3.22	2.97	2.48	2.86
Total	**2.94**	**2.84**	**3.07**	**3.10**	**2.99**	**2.99**	**2.78**	**3.01**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999		
				February	January	Total	December	November
Alabama	7.30	7.60	7.32	7.21	7.41	8.37	8.22	9.17
Alaska	3.35	3.53	3.60	3.36	3.34	3.64	3.45	3.58
Arizona	8.06	8.09	7.26	8.33	7.88	9.18	8.76	10.32
Arkansas	NA	6.13	6.47	NA	NA	NA	6.56	NA
California	6.64	6.69	6.89	6.99	6.30	6.62	6.52	7.13
Colorado	NA	4.66	4.61	NA	NA	5.24	5.13	5.64
Connecticut	10.50	9.93	10.36	10.51	10.49	10.49	11.04	10.89
Delaware	7.57	8.07	8.10	7.76	7.40	8.62	8.02	8.99
District of Columbia	8.55	8.45	8.69	8.55	8.54	NA	8.02	10.10
Florida	10.53	10.65	9.79	10.45	[R]10.62	11.91	11.19	12.87
Georgia	NA	2.17	6.32	NA	NA	NA	NA	[R]7.98
Hawaii	20.15	18.57	20.14	20.31	19.99	18.97	20.18	19.50
Idaho	5.50	5.08	5.06	5.56	5.45	5.43	5.57	5.82
Illinois	5.21	4.52	4.90	5.32	5.12	5.53	5.39	6.31
Indiana	NA	NA	6.21	NA	NA	NA	NA	NA
Iowa	5.47	4.90	5.29	5.73	5.27	6.11	6.10	6.52
Kansas	6.01	NA	5.70	6.03	5.98	NA	6.18	7.02
Kentucky	5.74	5.25	5.54	6.04	5.56	5.73	5.93	5.87
Louisiana	6.02	5.59	5.79	6.13	5.92	6.90	7.30	8.44
Maine	7.15	7.15	8.10	7.34	7.00	7.45	6.63	7.40
Maryland	7.52	NA	7.36	7.67	7.38	NA	8.19	9.02
Massachusetts	NA	9.28	9.10	NA	NA	NA	NA	NA
Michigan	4.78	4.72	4.93	4.79	4.77	5.12	4.85	5.13
Minnesota	NA	5.00	5.07	NA	NA	NA	NA	NA
Mississippi	5.73	5.23	5.75	5.66	5.81	NA	5.87	7.03
Missouri	6.11	5.71	6.10	6.04	6.16	6.28	6.38	6.84
Montana	5.26	4.82	4.88	5.28	5.25	5.15	5.03	5.32
Nebraska	4.91	4.37	5.01	5.06	4.76	5.06	5.23	6.02
Nevada	NA	6.72	6.65	6.25	NA	7.10	6.16	7.18
New Hampshire	8.24	7.51	8.28	8.32	8.15	7.73	8.65	9.07
New Jersey	NA	NA	6.66	NA	8.90	NA	NA	NA
New Mexico	5.50	4.08	4.28	5.26	5.72	[R]4.61	3.07	[R]3.78
New York	NA	NA	9.13	NA	NA	NA	NA	NA
North Carolina	7.90	7.90	8.12	7.58	8.27	8.32	8.95	8.95
North Dakota	NA	4.64	4.56	NA	NA	NA	NA	5.71
Ohio	6.14	5.79	6.02	6.09	6.18	NA	6.36	6.57
Oklahoma	5.68	4.85	5.49	5.57	5.80	5.85	6.23	8.06
Oregon	7.37	6.74	6.27	7.42	7.33	7.17	7.10	7.16
Pennsylvania	NA	7.79	7.91	NA	7.31	8.22	7.67	8.14
Rhode Island	5.56	8.80	8.85	4.23	8.87	[R]9.53	9.54	10.00
South Carolina	8.56	8.59	8.04	8.40	8.76	8.61	8.76	8.85
South Dakota	5.59	4.97	5.03	5.87	5.36	5.83	6.10	6.27
Tennessee	6.23	5.85	6.16	6.45	6.03	NA	7.47	7.48
Texas	5.37	5.00	5.81	5.49	5.26	6.03	5.53	7.26
Utah	6.16	5.42	5.73	6.16	6.16	5.37	5.49	5.90
Vermont	7.37	6.48	6.21	7.33	7.42	7.13	7.65	7.51
Virginia	7.71	7.97	7.99	7.78	7.65	NA	8.16	9.57
Washington	NA	NA	5.78	NA	NA	NA	NA	NA
West Virginia	NA	6.93	6.62	NA	7.44	NA	NA	NA
Wisconsin	6.08	6.00	6.02	6.19	5.99	6.19	6.09	6.98
Wyoming	4.97	5.00	4.97	4.94	5.00	5.28	5.14	5.48
Total	**6.37**	**6.10**	**6.41**	**6.45**	**[R]6.30**	**[R]6.61**	**6.46**	**[R]7.09**

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	10.27	11.61	11.91	11.38	10.98	9.83	7.83	7.03
Alaska	3.70	3.84	4.27	4.31	4.10	3.81	3.65	3.59
Arizona	11.84	12.63	12.84	12.26	11.03	9.57	8.75	8.57
Arkansas	9.42	8.95	10.63	9.65	9.45	8.25	6.70	6.16
California	7.51	6.88	7.21	7.04	6.82	6.22	5.98	6.22
Colorado	6.04	7.43	7.59	7.16	6.13	5.12	5.00	4.86
Connecticut	11.17	10.95	11.45	11.73	11.86	11.30	10.29	10.08
Delaware	10.69	12.48	12.52	10.58	10.97	9.32	8.39	8.05
District of Columbia	11.34	12.39	8.28	NA	8.24	8.95	7.96	7.76
Florida	14.38	14.65	14.31	13.77	13.34	12.64	11.46	10.58
Georgia	R6.78	R8.40	R10.62	11.45	10.16	NA	4.12	2.44
Hawaii	20.03	19.71	19.38	18.71	18.56	18.60	18.04	18.15
Idaho	5.92	6.58	6.55	6.21	5.83	5.46	5.31	5.10
Illinois	6.91	8.49	9.46	8.85	8.12	7.66	5.27	4.63
Indiana	NA	NA	7.79	7.61	6.76	NA	NA	NA
Iowa	7.56	9.24	13.37	9.40	11.36	7.77	6.00	5.26
Kansas	7.58	9.02	8.66	8.77	7.74	6.65	5.60	NA
Kentucky	7.00	7.53	8.16	8.17	7.75	6.75	5.46	4.82
Louisiana	9.10	9.59	9.37	8.55	8.03	7.58	6.19	5.98
Maine	7.61	8.26	9.13	9.11	8.33	8.66	7.85	7.38
Maryland	10.03	12.70	12.97	NA	11.87	NA	7.98	NA
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	5.59	7.15	7.75	7.68	6.46	5.72	5.10	4.78
Minnesota	6.25	7.47	7.91	8.04	7.19	6.26	5.21	5.08
Mississippi	7.62	6.99	7.77	7.22	7.12	6.92	NA	4.94
Missouri	7.73	9.35	10.48	9.85	6.09	7.08	6.06	5.41
Montana	5.57	6.27	7.46	6.58	5.99	4.66	4.95	4.94
Nebraska	6.52	7.73	8.04	7.13	6.76	5.33	4.70	4.47
Nevada	8.24	8.85	9.03	8.86	8.15	7.39	7.00	6.94
New Hampshire	7.25	8.75	9.29	8.68	7.88	6.38	5.67	8.23
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	R4.46	R9.67	R10.81	R9.10	R8.08	R8.82	R5.63	R4.03
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	10.76	11.70	13.19	11.74	12.98	8.76	7.92	6.20
North Dakota	6.10	7.31	7.90	7.54	7.23	5.19	4.71	4.76
Ohio	6.76	8.04	NA	8.41	7.89	6.83	5.83	5.63
Oklahoma	8.21	9.13	9.49	8.80	3.77	6.95	5.59	5.33
Oregon	7.67	8.64	8.91	10.50	7.75	7.26	7.04	6.91
Pennsylvania	9.20	10.69	11.99	11.40	10.69	9.19	7.68	7.73
Rhode Island	10.45	12.23	12.29	R12.14	11.36	9.79	9.48	8.88
South Carolina	9.37	10.20	10.46	10.20	9.89	8.48	8.17	7.81
South Dakota	7.09	8.26	9.81	8.69	8.46	6.48	5.43	5.00
Tennessee	8.43	8.06	9.25	8.86	9.32	NA	NA	6.36
Texas	8.43	9.00	9.13	7.40	7.90	6.94	6.00	5.18
Utah	5.11	5.44	6.25	5.54	5.78	4.83	4.19	5.59
Vermont	7.63	9.33	9.38	9.33	8.42	7.41	6.83	6.68
Virginia	12.04	14.20	14.40	13.85	13.36	NA	8.72	7.34
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	8.09	9.61	NA	10.66	9.88	NA	NA	NA
Wisconsin	5.47	7.21	7.45	7.14	6.70	5.91	6.13	6.05
Wyoming	5.45	6.09	7.18	6.74	5.94	5.08	5.03	5.19
Total	**7.52**	**R8.41**	**R8.92**	**8.50**	**R7.90**	**7.07**	**6.32**	**R6.01**

See footnotes at end of table.

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999		1998					
	February	January	Total	December	November	October	September	August
Alabama	8.29	7.13	8.21	9.06	10.01	10.99	10.77	10.84
Alaska	3.53	3.53	3.67	3.51	3.70	3.74	3.01	3.75
Arizona	8.17	8.03	8.50	8.34	9.85	11.96	12.93	13.11
Arkansas	6.94	5.66	6.85	6.82	6.79	8.12	8.80	8.98
California	6.54	6.82	6.92	6.88	6.79	6.87	7.00	7.20
Colorado	4.75	4.60	5.22	4.94	5.28	5.85	8.50	7.56
Connecticut	10.18	9.71	10.60	10.97	10.52	11.13	11.75	11.82
Delaware	8.10	8.05	8.90	8.58	9.44	11.69	12.86	12.69
District of Columbia	8.25	8.61	8.91	8.82	9.25	10.60	11.17	8.55
Florida	11.16	10.29	11.29	11.35	12.43	13.68	13.65	13.59
Georgia	2.38	2.01	6.78	2.42	3.45	8.03	15.61	16.04
Hawaii	18.34	18.79	19.25	18.86	19.39	19.25	19.39	18.29
Idaho	5.13	5.03	5.33	5.15	5.42	5.79	6.54	6.70
Illinois	4.62	4.46	5.47	4.77	5.02	5.98	8.08	8.18
Indiana	NA	5.36	6.56	5.75	5.81	6.72	8.71	9.50
Iowa	5.07	4.79	5.96	4.96	5.75	7.39	11.08	10.95
Kansas	NA	NA	6.00	5.52	5.88	7.43	7.95	7.85
Kentucky	5.27	5.24	6.03	5.35	5.76	7.99	9.44	10.07
Louisiana	5.86	5.42	6.68	6.89	7.81	8.90	8.78	8.71
Maine	7.34	7.00	8.09	7.64	7.45	7.66	8.94	9.19
Maryland	NA	7.37	8.29	8.12	7.92	10.06	11.22	11.50
Massachusetts	9.19	9.39	9.42	9.67	9.66	9.44	10.84	11.29
Michigan	4.76	4.68	5.17	4.87	4.85	5.43	7.03	7.42
Minnesota	5.06	4.96	5.48	5.22	5.31	6.02	7.05	7.33
Mississippi	5.94	4.84	6.08	6.44	4.48	7.74	7.80	7.84
Missouri	5.70	5.71	6.57	6.20	6.63	8.85	9.87	10.95
Montana	4.93	4.75	5.25	4.99	5.22	5.84	6.97	6.99
Nebraska	4.38	4.37	5.13	4.60	4.74	5.71	6.87	7.08
Nevada	6.75	6.70	7.11	6.74	7.14	8.00	9.25	9.27
New Hampshire	7.60	7.44	8.12	7.98	8.26	7.29	8.91	9.32
New Jersey	NA	NA	7.33	8.16	8.24	8.51	9.12	9.07
New Mexico	R4.92	R3.54	5.22	3.23	4.20	8.02	10.26	10.64
New York	NA	NA	9.59	9.30	9.50	11.62	12.66	13.24
North Carolina	8.40	7.56	8.69	9.45	8.31	11.70	12.53	13.25
North Dakota	4.67	4.62	5.16	5.01	5.05	5.65	7.64	9.81
Ohio	5.69	5.87	6.43	6.08	6.13	7.82	9.07	9.89
Oklahoma	5.48	4.45	5.93	5.51	6.15	8.42	9.25	9.09
Oregon	6.80	6.68	6.81	6.75	6.91	7.66	8.82	9.21
Pennsylvania	7.78	7.80	8.45	7.78	8.07	9.13	11.13	11.82
Rhode Island	8.90	8.71	9.56	9.40	9.80	10.79	12.16	12.15
South Carolina	9.14	8.25	8.30	8.95	8.77	9.56	10.05	10.29
South Dakota	5.09	4.89	5.59	4.99	5.35	6.34	8.38	8.63
Tennessee	6.06	5.71	6.73	6.74	7.04	8.58	8.87	9.44
Texas	5.20	4.89	6.16	5.40	6.43	7.98	8.59	8.77
Utah	5.33	5.51	5.57	5.61	5.72	4.74	6.08	6.95
Vermont	6.29	6.64	6.54	6.38	6.64	7.46	5.12	8.77
Virginia	7.98	7.96	8.57	8.09	8.10	10.85	12.39	12.60
Washington	NA	NA	5.84	5.79	5.63	6.09	6.20	6.22
West Virginia	6.96	6.90	7.29	7.18	7.34	8.19	9.82	10.54
Wisconsin	6.28	5.82	6.15	6.00	6.22	5.48	6.56	6.73
Wyoming	5.03	4.98	5.19	4.91	5.11	5.10	6.60	7.03
Total	**R6.24**	**R5.99**	**6.82**	**6.34**	**6.58**	**7.60**	**8.96**	**9.25**

R Revised Data.
NA Not Available.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999		
				February	January	Total	December	November
Alabama	6.63	6.59	6.48	6.49	6.78	6.71	6.98	7.07
Alaska	2.14	2.41	2.48	2.12	2.16	2.16	2.15	2.14
Arizona	6.19	6.16	5.67	6.24	6.14	6.18	6.21	6.34
Arkansas	NA	4.92	5.17	NA	NA	NA	4.25	NA
California	6.44	6.03	6.83	6.87	6.05	5.83	6.40	6.38
Colorado	NA	4.14	4.35	NA	NA	NA	4.48	4.41
Connecticut	7.29	6.82	7.56	6.82	7.97	6.59	7.87	6.91
Delaware	6.06	6.64	6.67	6.46	5.69	7.02	6.94	7.21
District of Columbia	7.89	7.30	7.47	—	7.89	NA	—	8.72
Florida	7.02	6.42	6.53	7.04	R6.99	6.51	6.84	6.98
Georgia	NA	3.15	6.07	NA	NA	NA	NA	R5.95
Hawaii	16.07	13.60	15.40	16.12	16.02	14.33	15.80	15.90
Idaho	4.88	4.52	4.41	4.90	4.86	4.77	4.92	5.21
Illinois	5.01	4.48	4.73	5.08	4.95	5.25	5.39	6.18
Indiana	NA	4.44	5.55	NA	NA	NA	NA	NA
Iowa	4.72	4.19	4.53	4.91	4.57	4.80	5.23	5.28
Kansas	4.32	NA	5.27	4.40	4.25	NA	5.81	6.09
Kentucky	5.36	4.96	5.41	5.28	5.43	5.11	5.78	5.61
Louisiana	5.56	5.24	5.44	5.67	5.46	5.69	6.10	6.68
Maine	6.62	6.62	7.51	6.79	6.48	6.68	6.25	6.68
Maryland	6.67	NA	6.25	7.07	6.31	NA	6.61	7.52
Massachusetts	NA	NA	7.75	NA	NA	NA	NA	NA
Michigan	4.65	4.66	4.83	4.65	4.66	4.84	4.58	4.93
Minnesota	NA	4.30	4.43	5.00	NA	4.44	4.53	5.08
Mississippi	4.87	NA	5.00	5.19	4.64	NA	4.95	5.41
Missouri	5.84	5.50	5.91	5.79	5.90	5.38	5.80	5.54
Montana	4.78	4.84	4.85	4.67	4.88	5.10	5.06	5.37
Nebraska	4.29	4.08	4.24	4.56	4.05	4.10	4.32	4.62
Nevada	NA	5.88	6.02	NA	NA	5.99	5.39	6.00
New Hampshire	7.62	7.01	7.73	7.80	7.44	NA	7.78	7.83
New Jersey	NA	NA	4.31	NA	2.95	NA	NA	NA
New Mexico	4.12	2.80	4.04	4.00	4.22	R3.26	2.79	R3.01
New York	NA	NA	6.73	NA	NA	NA	NA	NA
North Carolina	6.64	6.33	6.90	6.51	6.80	6.31	7.34	6.83
North Dakota	NA	4.13	4.11	NA	NA	NA	NA	NA
Ohio	5.90	5.52	5.67	5.84	5.96	NA	6.02	6.04
Oklahoma	5.60	4.79	5.37	5.48	5.75	5.11	6.05	5.81
Oregon	4.28	5.57	4.99	3.21	6.04	5.80	5.90	5.63
Pennsylvania	6.20	7.24	7.32	5.59	R6.77	8.38	7.01	6.90
Rhode Island	7.18	7.75	7.76	7.39	6.94	8.01	7.85	8.01
South Carolina	7.31	6.83	6.97	7.26	7.36	6.52	7.04	7.16
South Dakota	4.51	4.02	4.13	4.68	4.36	4.52	5.09	4.86
Tennessee	5.36	5.69	5.84	6.05	R4.78	NA	6.43	6.31
Texas	4.47	4.33	4.82	4.61	4.34	4.39	4.45	4.88
Utah	4.76	4.17	4.44	4.70	4.82	4.12	4.54	4.72
Vermont	6.19	5.16	5.22	6.18	6.20	5.54	6.20	5.98
Virginia	6.19	5.91	6.38	6.25	6.14	6.04	6.24	6.35
Washington	NA	NA	4.66	NA	NA	NA	NA	NA
West Virginia	6.02	6.23	6.05	5.91	6.14	NA	NA	6.18
Wisconsin	5.11	4.98	4.91	5.15	5.07	4.94	5.20	5.83
Wyoming	4.44	4.51	4.76	4.46	4.43	4.50	4.39	4.53
Total	**5.34**	**5.12**	**5.62**	**5.29**	**R5.38**	**5.26**	**5.44**	**5.46**

See footnotes at end of table.

Table 22

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	6.88	7.22	7.31	7.22	7.08	6.86	6.26	6.10
Alaska	2.13	1.94	1.79	1.83	1.76	1.95	2.28	2.34
Arizona	6.32	6.27	6.38	6.13	6.05	6.07	6.11	6.12
Arkansas	NA	NA	5.77	5.69	NA	NA	5.24	4.85
California	6.33	5.96	6.08	5.68	5.43	5.24	5.57	5.17
Colorado	NA	4.49	NA	4.47	4.38	4.18	NA	4.14
Connecticut	6.10	5.27	4.91	5.13	5.39	6.51	6.68	6.93
Delaware	7.51	8.20	8.78	8.29	7.89	7.31	6.82	6.69
District of Columbia	8.35	8.14	6.92	NA	6.84	6.64	6.70	6.92
Florida	6.85	6.90	6.66	6.47	6.26	6.29	6.19	6.22
Georgia	R11.91	R7.36	R5.59	R6.58	R6.00	NA	3.43	2.17
Hawaii	15.71	14.90	14.45	14.46	14.00	13.28	13.08	13.19
Idaho	5.10	5.25	4.96	4.89	4.92	4.85	4.83	4.49
Illinois	6.36	7.26	8.57	7.98	7.15	6.61	4.83	4.46
Indiana	NA	NA	NA	5.03	NA	NA	NA	NA
Iowa	5.47	5.80	6.19	6.25	6.44	5.51	4.67	4.11
Kansas	R5.51	4.78	4.92	5.48	5.85	5.54	4.91	NA
Kentucky	5.78	5.60	4.35	5.75	5.59	4.36	5.03	4.39
Louisiana	6.22	6.38	6.23	5.79	5.56	5.56	5.24	5.29
Maine	6.55	6.89	6.89	6.81	6.70	7.20	7.01	6.81
Maryland	8.19	8.76	7.34	R7.79	8.29	NA	7.03	NA
Massachusetts	NA	NA	NA	NA	6.12	6.24	7.79	7.72
Michigan	5.18	5.71	6.08	5.86	5.67	5.14	4.94	4.69
Minnesota	4.62	5.02	4.65	4.50	4.61	4.38	4.01	4.20
Mississippi	5.01	4.62	4.88	4.45	4.44	4.79	NA	4.25
Missouri	5.40	5.58	5.81	5.68	3.63	5.22	5.19	5.06
Montana	5.67	5.87	6.54	5.99	5.63	4.60	4.88	4.90
Nebraska	4.33	4.36	4.11	3.84	3.94	3.84	3.77	3.98
Nevada	6.31	6.50	6.33	6.49	6.40	6.09	6.10	5.89
New Hampshire	5.92	6.19	6.32	6.16	5.98	NA	5.40	6.97
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	R2.83	R4.16	R5.60	R4.64	R3.56	R3.47	R4.47	3.53
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	6.61	6.13	6.28	6.13	6.12	5.85	5.62	5.87
North Dakota	5.05	5.21	4.97	5.07	4.98	3.94	3.94	4.09
Ohio	5.91	6.17	NA	6.60	6.55	5.82	5.37	5.26
Oklahoma	5.23	R5.30	5.36	5.43	5.98	4.98	4.70	5.09
Oregon	7.76	5.95	5.98	5.83	5.75	5.65	5.65	5.63
Pennsylvania	7.76	7.70	8.21	7.83	8.96	7.09	19.91	7.00
Rhode Island	8.15	8.58	14.12	8.91	8.70	8.45	8.03	7.73
South Carolina	6.05	6.12	6.01	5.90	6.00	6.04	6.45	6.40
South Dakota	5.36	5.56	5.99	5.29	5.37	4.91	4.23	3.90
Tennessee	5.34	5.08	5.89	5.79	5.48	5.39	NA	5.68
Texas	4.81	4.70	4.31	4.02	4.37	4.16	4.47	4.04
Utah	3.98	3.99	4.10	4.19	3.85	3.31	3.24	4.25
Vermont	5.54	5.68	5.76	5.72	5.64	5.57	5.50	5.49
Virginia	6.59	6.50	6.33	6.22	5.79	5.90	5.82	5.67
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	6.29	6.65	NA	6.76	NA	6.88	6.06	6.19
Wisconsin	4.12	5.50	4.98	4.68	4.64	4.28	4.41	4.77
Wyoming	4.52	4.50	4.92	4.68	4.53	4.51	4.44	4.51
Total	**R5.35**	**5.41**	**R5.31**	**5.24**	**R5.22**	**R5.11**	**5.70**	**5.00**

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999		1998					
	February	January	Total	December	November	October	September	August
Alabama	6.93	6.33	6.65	7.07	7.40	6.94	6.80	6.85
Alaska	2.38	2.44	2.41	2.46	2.48	2.33	3.23	2.15
Arizona	6.18	6.15	6.00	6.31	6.44	6.51	5.83	6.36
Arkansas	5.27	4.70	5.16	5.28	5.17	4.91	5.03	5.00
California	6.28	5.82	6.33	6.38	6.08	5.73	5.93	5.98
Colorado	4.12	4.15	4.34	4.21	3.86	3.94	4.59	4.40
Connecticut	7.03	6.63	6.89	7.60	6.79	5.54	5.48	5.57
Delaware	6.59	6.68	7.05	6.89	6.93	8.05	8.72	8.40
District of Columbia	7.06	7.53	7.36	7.67	7.65	7.45	7.32	7.11
Florida	6.42	6.41	6.40	6.23	6.27	6.28	6.12	6.14
Georgia	2.35	3.78	6.00	2.77	3.36	4.95	9.16	9.03
Hawaii	13.41	13.79	14.15	13.81	14.00	14.04	16.65	10.88
Idaho	4.59	4.46	4.62	4.59	4.84	4.92	4.95	4.89
Illinois	4.48	4.47	5.07	4.69	4.88	5.32	6.10	6.41
Indiana	4.52	4.39	5.50	4.72	4.89	5.33	6.19	6.57
Iowa	4.30	4.12	4.67	4.06	4.52	5.15	6.54	6.44
Kansas	NA	NA	4.98	5.11	5.10	5.34	5.50	4.30
Kentucky	4.93	4.98	5.43	5.12	5.16	5.78	5.79	5.83
Louisiana	5.22	5.25	5.64	6.02	6.15	6.07	5.79	5.64
Maine	6.79	6.48	7.23	6.96	6.68	6.55	6.89	6.89
Maryland	NA	6.49	6.64	7.11	6.07	7.71	7.27	7.40
Massachusetts	NA	8.08	7.32	7.68	7.49	6.06	6.19	6.48
Michigan	4.68	4.65	4.90	4.78	4.70	5.12	5.42	5.78
Minnesota	4.25	4.33	4.39	4.37	4.26	4.22	3.92	4.43
Mississippi	4.95	NA	4.74	5.04	3.72	4.78	3.85	4.35
Missouri	5.43	5.55	5.68	5.60	5.50	6.17	5.71	6.04
Montana	4.91	4.80	5.13	5.01	5.19	5.68	6.19	6.18
Nebraska	4.00	4.14	4.25	3.77	3.74	3.50	3.31	3.51
Nevada	5.92	5.85	6.28	6.22	6.69	6.99	7.32	7.30
New Hampshire	7.15	6.89	7.18	7.38	7.30	5.94	6.40	6.70
New Jersey	NA	NA	3.70	3.15	3.22	3.14	2.98	2.79
New Mexico	3.40	2.45	4.04	3.15	3.42	4.16	4.50	4.70
New York	NA	NA	6.08	6.05	5.61	5.40	5.64	4.59
North Carolina	6.44	6.25	6.63	7.16	6.90	6.24	6.27	6.29
North Dakota	4.04	4.19	4.37	4.33	4.35	4.43	4.77	7.34
Ohio	5.33	5.67	5.83	5.69	5.70	6.92	7.03	7.75
Oklahoma	5.23	4.49	5.05	4.10	6.05	5.18	5.22	5.18
Oregon	5.64	5.51	5.25	5.96	4.39	5.48	5.50	5.86
Pennsylvania	7.22	7.26	7.43	6.82	6.70	7.41	8.06	8.32
Rhode Island	7.75	7.74	8.12	8.02	8.11	8.65	9.14	9.35
South Carolina	6.94	6.75	6.48	6.77	6.61	5.76	5.91	5.93
South Dakota	4.16	3.92	4.43	3.98	4.25	4.86	5.67	5.62
Tennessee	5.72	5.67	6.04	6.40	6.34	6.87	5.85	6.27
Texas	4.29	4.36	4.44	4.30	4.27	4.20	4.19	4.06
Utah	4.14	4.20	4.35	4.53	4.68	3.99	4.42	4.80
Vermont	5.23	5.12	5.08	4.72	4.95	4.81	4.63	5.17
Virginia	6.04	5.81	6.12	6.02	6.11	6.33	6.24	6.63
Washington	NA	NA	4.75	4.68	5.32	4.77	4.85	4.91
West Virginia	6.23	6.23	6.26	5.97	6.30	6.36	6.29	6.71
Wisconsin	4.89	5.04	4.70	4.68	4.71	3.81	4.12	4.45
Wyoming	4.47	4.55	4.45	2.85	4.65	4.81	4.89	5.95
Total	**5.17**	**5.08**	**5.48**	**5.23**	**5.22**	**5.31**	**5.49**	**5.46**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		1999		
				February	January	Total	December	November
Alabama	3.46	3.28	3.58	3.47	3.45	3.32	3.42	3.79
Alaska	1.40	1.19	1.54	1.41	1.40	1.25	1.37	1.34
Arizona	3.46	3.45	3.49	3.54	3.38	3.42	3.44	3.63
Arkansas	4.53	3.43	3.71	4.47	4.58	NA	4.69	3.96
California	4.14	NA	5.12	4.45	3.82	NA	4.05	4.44
Colorado	NA	2.37	2.05	NA	NA	NA	2.53	3.30
Connecticut	5.45	4.44	5.16	5.53	5.36	4.18	4.93	4.63
Delaware	3.83	4.10	4.23	5.40	2.64	4.16	3.96	5.25
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.22	3.86	4.19	4.40	4.06	3.99	4.18	4.42
Georgia	NA	2.59	4.56	NA	NA	NA	NA	NA
Hawaii	8.38	8.23	—	8.48	8.28	8.21	8.28	8.19
Idaho	3.52	3.21	3.04	3.50	3.54	3.30	3.55	3.51
Illinois	3.93	3.77	4.20	3.78	R4.06	4.04	4.58	4.76
Indiana	NA	NA	4.44	NA	NA	NA	NA	NA
Iowa	4.02	3.40	3.35	3.88	4.14	3.96	5.03	4.95
Kansas	3.81	NA	3.92	4.03	3.59	NA	3.48	3.75
Kentucky	3.96	3.26	4.71	4.07	3.87	3.30	4.12	3.65
Louisiana	2.84	2.04	2.81	2.92	2.77	2.53	2.90	3.04
Maine	5.43	5.43	6.36	6.05	5.20	R4.87	4.98	4.92
Maryland	NA	6.42	6.10	7.89	NA	5.57	6.14	5.45
Massachusetts	NA	5.87	6.96	NA	NA	NA	NA	NA
Michigan	3.88	3.79	3.92	3.84	3.92	3.92	3.92	3.81
Minnesota	NA	2.84	3.08	NA	R3.28	NA	NA	4.29
Mississippi	3.46	NA	3.36	3.52	3.35	NA	3.21	3.80
Missouri	4.98	NA	4.91	5.12	4.87	NA	4.99	4.41
Montana	4.46	3.96	4.22	4.51	4.40	4.55	4.40	4.44
Nebraska	4.19	3.24	3.43	4.48	R3.92	3.39	3.59	4.10
Nevada	NA	4.50	5.98	NA	4.82	4.63	4.81	4.84
New Hampshire	7.25	6.62	6.70	7.79	6.68	4.56	8.34	5.74
New Jersey	NA	NA	3.44	NA	2.42	NA	NA	NA
New Mexico	3.07	NA	3.18	2.79	3.44	NA	2.09	2.29
New York	5.05	NA	3.72	4.98	5.13	NA	4.94	4.95
North Carolina	5.09	3.62	4.70	5.13	5.04	3.73	5.13	4.71
North Dakota	3.18	2.58	3.05	3.19	3.17	NA	NA	3.17
Ohio	5.39	5.29	4.32	5.39	5.38	NA	5.73	5.49
Oklahoma	4.57	3.47	4.10	4.63	4.51	3.75	4.78	3.96
Oregon	4.35	4.10	3.68	4.31	4.39	NA	4.31	4.19
Pennsylvania	5.09	4.53	4.57	4.96	5.20	4.21	4.56	4.28
Rhode Island	3.97	4.88	4.42	5.54	R2.61	3.96	4.96	4.60
South Carolina	4.10	3.07	3.59	4.16	4.03	3.32	3.52	4.08
South Dakota	3.41	3.13	3.28	3.46	3.37	3.36	3.77	3.69
Tennessee	2.88	3.55	4.41	2.99	2.78	NA	2.78	2.79
Texas	2.64	2.08	2.61	2.72	R2.55	NA	2.37	3.10
Utah	3.42	2.98	3.03	3.39	3.45	3.02	3.69	3.04
Vermont	4.31	2.85	3.04	4.38	4.21	3.08	3.73	3.56
Virginia	4.41	4.47	4.88	4.09	4.85	3.91	4.57	5.83
Washington	NA	NA	2.76	NA	NA	NA	NA	NA
West Virginia	NA	2.67	3.29	NA	4.42	NA	NA	NA
Wisconsin	4.28	3.86	4.02	4.32	4.24	3.87	4.27	4.67
Wyoming	NA	NA	3.40	NA	NA	NA	3.19	3.16
Total	**3.34**	**3.02**	**3.63**	**3.39**	**R3.28**	**3.04**	**3.26**	**3.45**

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	October	September	August	July	June	May	April	March
Alabama	3.39	3.59	3.33	3.06	3.15	3.30	3.24	3.05
Alaska	1.29	1.16	1.33	1.27	1.24	1.21	1.18	1.17
Arizona	3.55	3.48	3.29	3.26	3.62	3.11	3.26	3.71
Arkansas	4.84	4.89	3.92	3.64	NA	3.57	3.35	3.42
California	4.02	2.44	3.67	3.48	3.34	2.86	3.12	3.09
Colorado	2.83	3.12	2.96	NA	2.41	2.46	2.28	2.16
Connecticut	4.16	3.92	3.82	3.54	3.70	3.70	3.98	4.23
Delaware	4.61	4.64	4.25	4.16	4.11	3.48	4.27	4.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.86	4.35	4.20	3.99	4.11	3.92	3.82	3.66
Georgia	NA	NA	NA	4.12	3.46	NA	3.39	2.76
Hawaii	8.29	8.28	8.04	8.04	8.31	8.52	8.02	8.10
Idaho	3.29	3.23	3.22	3.59	3.21	3.22	3.26	3.14
Illinois	5.17	4.56	4.05	4.17	4.03	3.85	3.17	3.50
Indiana	NA	NA	3.70	3.93	3.95	NA	NA	NA
Iowa	4.63	4.59	3.96	2.30	6.02	3.52	3.27	3.33
Kansas	3.39	2.82	2.62	2.52	2.51	NA	2.97	2.98
Kentucky	3.34	3.36	3.26	2.99	2.90	3.09	2.90	3.10
Louisiana	2.83	3.02	2.76	2.53	2.40	2.24	2.37	1.88
Maine	R4.60	3.92	R4.58	R4.38	4.10	R4.40	6.11	5.76
Maryland	5.38	6.78	4.48	5.74	6.00	R6.39	3.80	4.25
Massachusetts	NA	NA	R5.50	NA	NA	4.50	NA	NA
Michigan	4.25	4.51	4.81	5.11	4.46	3.83	3.69	3.76
Minnesota	3.94	3.47	2.68	2.87	2.60	3.07	2.52	2.67
Mississippi	3.39	3.63	3.36	3.09	3.09	3.18	NA	2.65
Missouri	4.41	4.13	3.92	3.69	3.91	4.00	3.97	4.00
Montana	5.29	5.71	6.07	5.67	5.99	4.33	4.79	4.79
Nebraska	3.63	3.68	3.50	3.16	3.41	3.14	3.05	3.21
Nevada	4.51	4.83	4.79	4.71	4.76	4.62	4.51	4.45
New Hampshire	3.79	3.78	3.66	3.49	3.69	1.79	2.06	6.42
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	NA	NA	NA	3.39	3.35	3.36	NA	3.60
New York	4.95	4.84	NA	NA	NA	NA	NA	NA
North Carolina	5.60	3.77	3.10	3.03	3.22	3.07	3.09	3.79
North Dakota	3.14	3.24	3.00	2.73	2.59	2.77	2.37	2.47
Ohio	5.28	5.11	NA	6.61	5.45	3.45	5.17	4.90
Oklahoma	3.48	3.52	3.32	3.48	3.45	4.73	3.28	3.50
Oregon	3.94	4.08	NA	3.93	3.94	3.96	3.89	3.69
Pennsylvania	4.12	3.97	3.83	3.77	3.80	3.92	4.19	4.41
Rhode Island	4.62	4.19	2.61	3.33	3.29	3.74	3.52	4.32
South Carolina	3.68	3.74	3.45	3.10	3.22	3.07	2.79	2.93
South Dakota	3.76	3.85	3.51	3.53	3.54	3.26	3.02	3.03
Tennessee	2.90	2.20	2.77	2.69	3.31	3.19	NA	3.37
Texas	2.74	2.97	2.86	2.53	2.41	NA	2.14	1.98
Utah	2.90	2.93	2.85	2.85	2.86	2.92	2.99	3.31
Vermont	3.39	3.23	3.02	2.83	2.82	2.80	2.74	2.72
Virginia	3.50	3.39	2.92	3.39	3.49	3.40	3.13	3.76
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	3.25	3.58	3.42	2.84	NA	2.68	NA	NA
Wisconsin	3.60	4.07	3.73	3.30	3.53	3.41	3.86	3.72
Wyoming	3.18	3.04	2.86	2.95	3.20	3.66	4.00	3.83
Total	**3.21**	**3.13**	**3.04**	**2.90**	**2.87**	**2.66**	**2.82**	**2.91**

See footnotes at end of table.

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999		1998					
	February	January	Total	December	November	October	September	August
Alabama	3.34	3.24	3.30	3.59	3.32	3.28	3.05	3.16
Alaska	1.18	1.20	1.34	1.22	1.22	1.22	1.21	1.22
Arizona	3.42	3.48	3.26	3.38	3.24	2.99	3.09	3.08
Arkansas	3.48	3.40	3.48	3.78	3.33	3.25	3.05	3.10
California	NA	4.02	3.77	3.70	3.60	2.83	3.38	3.33
Colorado	2.32	2.41	2.61	0.93	1.17	1.22	0.78	1.39
Connecticut	4.39	4.49	4.34	4.55	4.22	3.88	3.48	3.66
Delaware	3.93	4.33	4.13	3.68	3.79	3.70	4.33	5.05
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.92	3.82	3.98	3.74	3.94	3.91	3.53	3.67
Georgia	2.64	2.55	3.92	2.18	2.55	3.20	3.71	4.09
Hawaii	8.07	8.41	—	8.64	—	—	—	—
Idaho	3.23	3.19	3.09	3.08	3.16	3.02	2.94	3.32
Illinois	3.71	3.81	3.96	3.82	3.63	3.34	3.73	4.41
Indiana	3.01	NA	4.28	4.06	3.84	3.34	3.86	5.45
Iowa	3.52	3.32	3.49	3.57	3.83	3.71	3.61	3.29
Kansas	3.25	NA	3.17	3.26	3.17	2.86	2.45	2.82
Kentucky	3.35	3.17	4.00	3.97	3.42	3.94	3.89	3.94
Louisiana	1.95	2.12	2.31	1.65	2.35	2.30	2.04	2.19
Maine	6.05	5.20	5.13	6.13	4.97	4.26	3.96	3.84
Maryland	6.65	6.18	5.26	5.22	4.74	4.14	5.76	4.48
Massachusetts	6.88	4.62	5.69	6.45	5.60	4.23	4.13	4.26
Michigan	3.66	3.92	3.91	3.88	3.53	4.20	4.58	5.10
Minnesota	2.81	2.86	2.88	2.96	2.77	2.63	2.64	2.86
Mississippi	3.12	NA	3.22	3.32	2.77	3.05	3.09	3.06
Missouri	NA	4.74	4.51	3.83	4.28	4.02	4.13	4.07
Montana	4.78	3.40	4.68	4.21	4.64	4.84	9.73	6.61
Nebraska	3.12	3.35	3.26	3.33	3.31	2.89	2.59	2.75
Nevada	4.50	4.50	4.74	4.59	4.53	4.39	4.35	4.46
New Hampshire	6.73	6.51	4.66	5.08	4.98	2.89	3.79	3.63
New Jersey	NA	NA	2.97	2.46	2.58	2.50	2.47	2.50
New Mexico	3.58	NA	3.22	0.56	2.69	2.77	3.17	3.33
New York	NA	NA	4.02	3.05	3.02	2.64	2.44	2.55
North Carolina	3.60	3.63	3.96	4.13	3.91	3.64	3.56	3.63
North Dakota	2.53	2.66	2.82	3.07	2.58	2.45	2.06	2.47
Ohio	5.13	5.42	4.39	4.65	3.69	4.66	4.64	6.02
Oklahoma	3.50	3.45	3.66	3.43	3.33	3.58	3.34	3.38
Oregon	4.37	3.87	3.75	4.23	3.48	3.94	3.55	3.72
Pennsylvania	4.45	4.59	4.15	4.16	3.99	3.83	3.91	3.74
Rhode Island	4.77	5.00	3.82	3.85	3.68	3.93	3.08	2.98
South Carolina	3.15	3.00	3.29	3.31	3.22	3.16	2.95	2.50
South Dakota	3.12	3.13	3.28	3.11	3.13	3.27	3.44	3.29
Tennessee	3.54	3.57	3.94	3.26	4.07	3.44	3.54	3.49
Texas	2.04	2.12	2.35	2.27	2.16	2.12	1.85	2.13
Utah	3.16	2.85	3.00	3.20	3.15	2.94	2.99	3.26
Vermont	2.75	3.00	2.80	2.61	2.30	2.84	2.74	2.77
Virginia	3.88	5.07	4.07	5.16	4.34	3.75	3.24	3.22
Washington	NA	NA	2.64	2.51	2.44	2.35	2.39	2.60
West Virginia	2.82	2.40	3.39	3.35	3.30	3.62	3.42	3.46
Wisconsin	3.82	3.90	3.78	3.85	3.90	3.25	2.98	3.44
Wyoming	NA	3.74	3.37	3.38	3.37	3.29	3.32	3.36
Total	**2.97**	**3.07**	**3.14**	**2.92**	**2.95**	**2.75**	**2.65**	**2.75**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	2000	1999						
	January	Total	December	November	October	September	August	July
Alabama	4.94	2.82	3.72	3.09	3.95	3.64	2.28	3.26
Alaska	1.62	1.59	1.57	1.55	1.48	1.40	1.50	1.62
Arizona	2.64	2.67	2.62	3.04	2.96	3.03	2.84	2.56
Arkansas	2.84	2.60	2.60	2.56	2.90	3.06	2.96	2.58
California	2.83	[R]2.76	2.74	3.00	2.98	3.19	3.00	2.71
Colorado	2.51	[R]2.69	2.66	2.84	3.13	2.94	2.52	2.53
Connecticut	—	2.72	3.20	3.06	3.02	2.88	2.65	2.59
Delaware	3.61	2.91	3.81	3.70	3.34	3.35	3.06	2.72
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.03	[R]3.10	[R]2.95	3.56	3.22	[R]3.54	[R]3.33	[R]2.98
Georgia	1.20	2.57	2.85	3.65	3.13	2.62	2.66	2.60
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.78	[R]2.40	2.37	2.25	3.15	2.86	2.72	2.48
Indiana	3.29	2.98	3.26	4.05	4.56	4.04	2.86	2.82
Iowa	3.00	[R]3.08	3.14	3.12	3.54	3.52	2.94	2.93
Kansas	2.56	2.37	2.57	2.87	2.81	2.73	2.60	2.31
Kentucky	3.17	3.20	2.93	4.25	3.45	3.33	3.26	2.88
Louisiana	2.71	2.58	2.49	3.09	2.87	3.07	[R]2.91	2.55
Maine	—	—	—	—	—	—	—	—
Maryland	3.84	3.11	3.60	3.68	3.25	3.29	3.44	2.98
Massachusetts	2.98	[R]2.71	3.39	2.88	3.10	2.99	2.99	2.73
Michigan	1.78	[R]1.52	1.58	1.69	0.96	1.19	[R]1.55	1.92
Minnesota	2.62	[R]2.59	3.23	4.20	3.52	3.08	1.93	2.60
Mississippi	2.66	2.47	2.52	2.56	2.82	2.79	2.79	2.43
Missouri	2.75	[R]2.64	2.78	3.00	3.06	2.81	2.91	2.54
Montana	4.13	4.02	1.39	1.44	2.48	5.15	6.14	4.20
Nebraska	2.87	2.74	3.05	4.18	2.89	3.05	3.24	2.59
Nevada	2.99	2.51	2.72	2.78	2.68	2.78	2.49	2.43
New Hampshire	—	2.87	—	—	—	3.02	3.02	2.43
New Jersey	4.98	3.08	3.69	3.08	3.35	3.24	3.37	2.97
New Mexico	2.47	2.31	2.39	2.40	2.58	2.69	2.68	2.30
New York	3.96	2.84	3.14	3.19	3.28	3.20	3.05	2.80
North Carolina	4.21	2.85	4.72	4.70	3.61	3.11	3.09	2.56
North Dakota	—	—	—	—	—	—	—	—
Ohio	3.46	[R]3.04	4.20	3.11	3.11	2.91	2.98	[R]3.34
Oklahoma	3.08	[R]2.78	3.07	3.43	3.15	3.18	2.94	2.65
Oregon	2.22	1.96	2.20	2.26	2.00	1.83	1.66	1.78
Pennsylvania	3.24	[R]3.02	3.08	3.15	3.09	2.95	3.12	3.40
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	8.54	3.63	4.06	3.80	3.84	3.99	3.85	3.47
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.59	2.51	2.60	2.94	2.76	2.88	2.83	2.44
Utah	2.86	[R]2.64	2.68	3.14	3.12	2.85	2.67	2.39
Vermont	3.09	3.23	2.92	3.78	2.17	3.25	3.31	—
Virginia	3.23	3.19	3.69	3.96	4.29	3.35	3.42	2.78
Washington	—	—	—	—	—	—	—	—
West Virginia	4.36	2.98	—	2.95	2.88	2.91	2.93	3.13
Wisconsin	3.22	2.93	2.97	3.44	3.29	3.45	2.99	2.90
Wyoming	2.82	3.88	1.98	2.39	3.95	5.75	4.59	3.14
Total	**2.74**	**[R]2.62**	**[R]2.68**	**3.01**	**2.83**	**[R]2.98**	**[R]2.86**	**[R]2.58**

See footnotes at end of table.

Table 24

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999						1998	
	June	May	April	March	February	January	Total	December
Alabama	2.73	2.70	2.52	2.25	2.07	2.22	2.58	2.68
Alaska	1.59	1.61	1.60	1.72	1.70	1.68	1.80	1.72
Arizona	2.62	2.67	2.22	2.13	2.29	2.32	2.42	2.38
Arkansas	2.49	2.52	2.22	1.88	1.94	2.04	2.29	2.35
California	2.57	R2.73	2.42	2.75	2.55	2.70	2.79	2.96
Colorado	3.18	2.60	2.25	2.18	2.24	3.26	2.98	3.33
Connecticut	2.52	2.50	2.54	2.12	2.02	2.11	2.44	1.90
Delaware	2.71	2.53	2.46	2.46	2.98	3.34	2.89	3.34
District of Columbia	—	—	—	—	—	—	—	—
Florida	R3.04	R3.14	R2.66	R2.58	2.86	R2.86	2.27	1.39
Georgia	2.47	2.58	2.13	1.37	2.15	4.83	3.21	2.11
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.44	2.36	2.20	1.86	1.81	2.27	2.25	2.12
Indiana	2.79	3.19	3.14	2.71	2.78	2.99	2.88	3.36
Iowa	2.97	3.01	R2.78	3.13	3.45	R3.56	3.07	3.38
Kansas	2.35	2.35	2.08	1.80	1.96	2.24	2.14	2.21
Kentucky	3.15	5.12	3.77	3.33	2.99	2.51	3.40	2.90
Louisiana	2.52	2.58	2.25	2.01	R2.09	2.13	2.37	2.16
Maine	—	—	—	—	—	—	—	—
Maryland	2.88	3.27	2.55	2.60	3.46	3.52	2.75	2.64
Massachusetts	2.75	2.58	2.26	2.10	2.13	2.43	2.78	2.26
Michigan	1.79	1.74	1.09	0.88	1.33	2.07	1.24	1.25
Minnesota	2.48	2.32	2.31	2.56	3.49	3.02	2.36	3.43
Mississippi	2.43	2.45	2.30	1.91	1.95	2.05	2.31	1.97
Missouri	2.48	2.41	2.31	2.16	2.29	2.34	2.26	2.31
Montana	4.40	10.99	5.69	7.37	5.20	2.04	2.06	1.48
Nebraska	2.63	2.72	2.46	1.37	2.79	2.28	2.40	2.92
Nevada	2.46	2.43	2.55	2.07	2.40	2.20	2.38	2.01
New Hampshire	2.44	—	—	—	—	—	—	—
New Jersey	2.88	2.85	2.94	2.46	2.76	2.95	2.74	2.44
New Mexico	2.31	2.22	2.05	1.79	1.89	2.03	2.22	2.14
New York	2.72	2.71	2.49	2.37	2.55	2.80	2.57	2.43
North Carolina	2.70	2.71	3.31	3.32	3.33	3.34	2.81	3.93
North Dakota	—	—	—	—	—	—	—	—
Ohio	2.99	2.42	2.06	2.99	3.32	3.88	3.24	3.88
Oklahoma	2.59	2.66	2.58	2.28	R2.55	R2.44	2.48	2.28
Oregon	1.99	1.91	1.79	1.67	1.83	2.01	1.56	1.92
Pennsylvania	R2.36	3.18	2.55	3.02	2.98	2.94	3.26	4.88
Rhode Island	—	—	—	—	—	—	3.38	—
South Carolina	3.70	3.46	2.94	3.02	2.86	3.00	3.62	4.05
South Dakota	—	—	—	—	—	—	1.77	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.40	2.44	2.17	1.99	2.09	2.10	2.30	2.24
Utah	2.43	2.36	2.36	2.56	2.19	2.24	2.11	2.45
Vermont	2.94	3.03	2.56	2.44	2.47	2.55	2.90	2.87
Virginia	3.39	2.89	2.79	3.09	3.12	3.18	3.10	4.03
Washington	—	—	—	—	—	—	3.44	—
West Virginia	3.08	2.81	3.12	2.96	2.93	3.19	3.29	3.02
Wisconsin	2.80	2.92	2.63	2.51	2.79	2.64	2.67	2.73
Wyoming	2.60	6.59	13.06	6.02	4.83	6.92	8.31	11.18
Total	**R2.53**	**R2.57**	**R2.29**	**R2.15**	**R2.26**	**R2.32**	**2.40**	**2.22**

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1998							
	November	October	September	August	July	June	May	April
Alabama	2.47	2.62	2.46	2.50	2.63	2.49	2.62	2.69
Alaska	1.74	1.72	1.73	1.76	1.80	1.87	1.84	1.84
Arizona	2.77	2.11	2.33	2.28	2.41	2.79	3.20	2.82
Arkansas	—	2.25	2.15	2.05	2.49	2.33	2.33	2.56
California	2.86	2.56	2.50	2.83	2.92	2.70	2.94	2.71
Colorado	3.15	2.71	2.82	3.31	2.77	2.83	2.56	2.53
Connecticut	2.45	2.07	2.22	2.34	2.46	2.38	2.56	2.70
Delaware	3.24	2.66	2.41	2.66	3.47	3.27	1.34	1.41
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.30	2.30	2.18	2.18	2.27	2.31	2.31	2.68
Georgia	2.67	3.80	4.00	2.82	3.18	2.91	3.72	1.94
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.31	2.20	2.01	1.95	2.27	2.37	2.37	2.55
Indiana	2.86	3.23	2.74	2.58	2.80	2.95	2.98	3.37
Iowa	3.11	2.93	2.91	2.80	3.01	2.86	3.16	3.14
Kansas	2.25	2.03	1.87	1.99	2.28	2.14	2.20	2.40
Kentucky	3.11	2.85	2.42	2.43	2.86	3.68	3.59	5.25
Louisiana	2.32	2.25	2.12	2.17	2.59	2.40	2.52	2.66
Maine	—	—	—	—	—	—	—	—
Maryland	3.85	3.13	2.53	2.49	2.84	2.93	2.96	3.33
Massachusetts	2.44	2.28	2.13	2.35	2.62	2.24	2.86	3.66
Michigan	1.10	1.46	1.67	1.38	1.34	1.29	1.20	1.35
Minnesota	2.69	2.32	2.00	2.41	2.48	2.42	2.74	2.76
Mississippi	2.28	2.21	2.16	2.16	2.47	2.36	2.41	2.56
Missouri	2.32	2.14	2.13	1.95	2.39	2.41	2.31	2.56
Montana	1.37	1.30	1.02	4.99	2.47	2.59	5.34	1.40
Nebraska	2.81	2.10	1.93	2.49	2.62	2.37	2.40	1.98
Nevada	2.61	2.33	2.42	2.42	2.34	2.73	2.44	2.31
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	3.11	2.74	2.56	2.46	2.92	2.73	2.77	3.05
New Mexico	2.34	2.02	1.90	2.03	2.32	2.20	2.33	2.41
New York	2.80	2.30	2.21	2.29	2.63	2.51	2.64	2.87
North Carolina	3.59	3.00	2.53	2.55	2.92	2.78	2.89	3.37
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.36	3.88	4.09	3.93	2.98	2.79	3.06	4.01
Oklahoma	2.50	2.41	2.16	2.07	2.52	2.41	2.52	2.88
Oregon	1.88	1.63	1.48	1.56	1.46	1.31	1.50	1.36
Pennsylvania	6.91	2.50	3.74	2.63	3.18	2.32	5.37	5.94
Rhode Island	—	—	—	3.40	3.38	3.40	3.43	3.45
South Carolina	3.71	3.21	3.37	3.53	3.58	3.92	3.41	3.44
South Dakota	—	—	1.77	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.25	2.16	2.05	2.11	2.46	2.34	2.38	2.52
Utah	2.42	2.20	1.95	2.04	2.15	1.94	—	—
Vermont	2.84	2.86	2.54	2.67	3.09	2.81	3.03	3.08
Virginia	3.72	3.09	2.76	2.60	3.02	2.93	2.99	4.46
Washington	—	—	—	—	—	—	—	5.59
West Virginia	3.25	1.20	2.94	3.85	6.31	2.62	3.58	—
Wisconsin	2.63	2.42	2.31	2.49	2.80	2.64	2.95	3.13
Wyoming	14.27	5.33	6.64	67.70	8.23	7.66	11.70	4.77
Total	**2.37**	**2.22**	**2.15**	**2.21**	**2.50**	**2.40**	**2.47**	**2.59**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

[R] Revised Data.

— Not Applicable.

Notes: Data for 1998 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

State	YTD 2000		YTD 1999		YTD 1998		2000	
							February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.6	17.4	79.4	16.7	83.5	26.3	83.6	18.1
Alaska	70.2	92.3	53.3	99.9	52.7	100.0	71.1	99.8
Arizona	83.8	41.4	85.5	33.1	87.3	30.2	83.1	40.8
Arkansas	NA	16.0	92.5	10.8	95.4	10.9	NA	14.8
California	58.9	6.9	60.8	11.9	61.7	9.4	59.8	7.0
Colorado	NA	NA	94.8	6.2	95.2	11.0	NA	NA
Connecticut	77.8	48.4	69.7	61.9	78.2	57.3	80.8	52.9
Delaware	98.2	13.2	100.0	21.0	100.0	28.6	98.2	11.8
District of Columbia	32.7	—	55.2	—	59.9	—	—	—
Florida	53.7	2.8	91.0	3.9	97.1	7.8	54.8	2.5
Georgia	NA	NA	82.5	12.2	91.0	31.5	NA	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	89.3	3.5	89.1	3.3	89.6	2.7	89.1	3.7
Illinois	45.1	10.8	46.3	10.5	53.1	11.2	45.5	9.9
Indiana	NA	NA	79.6	NA	84.5	13.2	NA	NA
Iowa	85.0	8.2	85.8	8.7	88.9	7.8	84.2	8.0
Kansas	74.7	4.6	NA	NA	74.3	6.9	77.1	5.0
Kentucky	88.1	13.9	89.9	17.4	90.2	18.0	88.5	12.2
Louisiana	95.2	9.3	96.1	7.6	94.4	7.7	96.6	7.9
Maine	100.0	90.6	100.0	94.7	100.0	94.9	100.0	73.6
Maryland	49.3	32.7	NA	6.9	48.1	8.0	41.2	7.1
Massachusetts	NA	NA	NA	17.3	59.8	16.7	NA	NA
Michigan	64.1	10.8	66.0	14.3	68.7	12.3	64.5	13.8
Minnesota	NA	NA	96.5	35.8	97.1	40.0	95.1	NA
Mississippi	97.9	29.7	NA	NA	95.6	39.1	96.7	46.6
Missouri	84.4	19.9	82.7	28.6	85.4	24.6	85.5	17.1
Montana	81.2	2.8	82.8	2.0	84.0	2.9	82.9	0.2
Nebraska	57.3	20.0	61.4	25.8	79.6	20.0	57.0	19.9
Nevada	NA	NA	71.0	11.7	77.7	2.6	NA	NA
New Hampshire	94.4	24.9	95.4	24.1	96.0	34.3	94.9	26.3
New Jersey	NA	NA	NA	NA	64.0	48.6	NA	NA
New Mexico	63.3	8.3	60.8	NA	71.8	5.3	62.7	8.4
New York	NA	21.8	NA	NA	57.8	6.7	NA	33.6
North Carolina	94.9	36.9	96.8	38.8	94.4	34.5	93.1	40.2
North Dakota	NA	20.6	88.7	15.2	86.9	18.6	NA	18.1
Ohio	45.4	3.7	52.2	3.8	61.3	7.6	45.2	3.5
Oklahoma	83.8	8.6	81.4	5.4	81.0	6.2	83.4	9.1
Oregon	99.5	14.6	99.1	16.4	99.3	16.8	99.7	19.9
Pennsylvania	59.9	10.6	59.2	12.7	58.1	15.4	59.7	9.5
Rhode Island	60.0	9.0	60.4	4.7	66.8	7.9	62.7	100.0
South Carolina	98.9	82.0	97.7	83.9	98.5	85.4	99.8	82.6
South Dakota	84.9	46.5	85.5	51.0	86.2	45.8	84.6	44.8
Tennessee	93.7	33.7	88.2	24.5	94.9	34.4	91.9	31.9
Texas	79.5	24.2	80.7	12.9	85.7	14.1	86.1	19.2
Utah	87.8	10.0	85.8	11.5	87.4	7.9	88.6	94.5
Vermont	100.0	84.8	100.0	81.5	100.0	100.0	100.0	83.0
Virginia	71.7	14.7	72.6	16.6	76.7	16.9	69.1	17.1
Washington	NA	NA	NA	NA	90.2	24.6	NA	NA
West Virginia	67.6	NA	55.4	7.7	58.8	6.6	81.1	NA
Wisconsin	83.7	21.2	79.8	24.7	84.7	27.6	83.5	20.6
Wyoming	90.1	NA	96.9	3.5	89.7	1.7	92.8	NA
Total	**70.2**	**18.9**	**71.1**	**15.4**	**73.1**	**16.8**	**71.1**	**18.6**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000		1999					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.5	17.0	64.4	15.1	62.9	15.1	51.5	14.3
Alaska	69.6	99.8	56.6	99.1	62.2	97.5	61.9	97.6
Arizona	84.5	42.0	82.7	37.2	81.8	43.9	81.8	46.3
Arkansas	NA	17.1	NA	NA	100.0	16.7	NA	10.3
California	58.0	6.4	55.5	8.6	56.5	9.0	52.8	7.6
Colorado	NA	NA	NA	NA	96.5	0.3	96.3	0.4
Connecticut	73.9	43.3	63.7	55.8	62.2	52.2	58.3	53.2
Delaware	98.2	14.5	100.0	15.9	100.0	12.4	100.0	13.4
District of Columbia	48.9	—	NA	—	—	—	43.8	—
Florida	R52.6	3.8	91.7	3.1	90.8	3.2	87.2	2.8
Georgia	NA	NA	NA	NA	NA	NA	R9.1	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.5	3.3	86.0	2.7	85.6	2.5	82.5	2.5
Illinois	44.8	R10.7	41.6	8.2	42.0	9.0	38.3	8.4
Indiana	NA	NA	NA	NA	NA	NA	NA	NA
Iowa	85.6	8.4	83.1	7.4	83.4	8.8	82.9	7.2
Kansas	72.6	4.3	NA	NA	58.5	4.6	52.7	7.7
Kentucky	87.8	15.5	86.1	16.6	89.2	18.1	84.7	15.6
Louisiana	93.8	8.2	96.0	7.6	93.7	7.6	96.2	9.3
Maine	100.0	99.0	100.0	R82.1	100.0	80.4	100.0	87.1
Maryland	60.5	26.1	NA	R5.0	35.6	5.8	28.6	6.9
Massachusetts	NA	NA	NA	NA	NA	NA	NA	NA
Michigan	63.7	12.5	58.2	8.2	62.7	10.1	56.3	8.7
Minnesota	NA	R35.3	95.5	NA	95.2	NA	91.9	40.3
Mississippi	98.8	29.3	NA	NA	95.6	32.1	95.0	34.1
Missouri	83.3	23.1	77.1	18.1	79.1	22.2	70.9	16.1
Montana	79.7	0.2	81.0	1.7	85.5	2.7	82.0	2.6
Nebraska	57.5	R19.3	64.5	20.1	69.3	27.1	69.0	23.7
Nevada	NA	31.4	58.8	8.4	66.1	30.1	56.3	24.5
New Hampshire	93.9	23.6	NA	26.1	92.4	30.6	93.4	31.4
New Jersey	50.5	82.2	NA	NA	NA	NA	NA	NA
New Mexico	63.8	5.5	R59.1	NA	73.3	20.3	R65.4	19.0
New York	NA	46.0	NA	NA	NA	27.3	NA	26.7
North Carolina	97.2	R30.8	R93.4	R45.0	89.8	24.9	98.7	55.4
North Dakota	NA	22.8	NA	NA	NA	NA	NA	12.7
Ohio	45.5	3.4	NA	NA	46.3	2.7	36.9	1.7
Oklahoma	84.3	9.4	R73.3	4.4	79.0	7.1	71.7	4.0
Oregon	99.4	18.3	98.8	NA	99.1	11.7	99.0	12.0
Pennsylvania	R60.1	10.5	56.1	11.2	59.7	11.8	52.6	11.3
Rhode Island	R57.1	100.0	53.1	6.5	70.0	27.3	34.9	27.4
South Carolina	98.0	80.3	92.8	83.3	95.3	82.4	100.0	88.4
South Dakota	85.2	48.2	81.2	36.9	83.4	40.8	80.4	37.5
Tennessee	R95.3	35.4	NA	NA	91.5	40.0	89.7	36.3
Texas	74.2	25.3	75.7	NA	77.6	24.3	69.4	18.6
Utah	87.1	93.2	82.9	9.8	86.9	6.9	82.8	11.4
Vermont	100.0	87.4	100.0	75.9	100.0	80.3	100.0	77.1
Virginia	74.2	20.7	65.8	11.0	71.8	13.2	65.7	12.3
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	57.3	3.2	NA	NA	NA	NA	47.0	NA
Wisconsin	84.0	22.6	73.3	20.6	80.5	23.0	73.9	20.1
Wyoming	87.7	1.1	88.2	2.4	85.9	1.4	81.2	1.5
Total	**R69.3**	**R19.2**	**65.1**	**16.9**	**66.9**	**18.7**	**R62.6**	**17.7**

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	45.0	14.1	48.8	14.4	47.0	14.2	50.9	14.7
Alaska	54.8	97.4	56.7	100.0	55.9	99.9	56.3	98.4
Arizona	79.0	39.0	78.6	40.8	78.7	34.1	83.0	43.0
Arkansas	NA	13.1	NA	9.9	86.7	8.2	83.6	7.9
California	53.9	8.0	49.9	10.6	37.8	7.5	52.6	8.8
Colorado	NA	0.5	92.8	1.8	NA	2.9	92.1	NA
Connecticut	56.5	54.5	74.5	59.3	51.6	54.7	55.4	54.7
Delaware	100.0	9.1	100.0	10.1	100.0	12.7	100.0	12.3
District of Columbia	36.8	—	32.4	—	31.7	—	NA	—
Florida	91.5	2.8	94.7	2.4	93.9	2.8	94.7	2.7
Georgia	R12.1	NA	R33.0	NA	R67.8	NA	R66.6	11.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	79.0	2.1	80.4	2.1	82.0	3.4	83.7	2.8
Illinois	38.6	6.3	34.5	7.2	24.5	5.1	26.3	5.3
Indiana	NA	NA	NA	NA	NA	9.7	62.4	8.1
Iowa	79.4	7.3	71.6	7.2	75.0	7.1	72.2	7.1
Kansas	R57.6	10.0	64.4	14.5	53.7	14.9	52.3	12.4
Kentucky	83.0	18.1	82.6	15.7	66.3	16.9	79.7	16.1
Louisiana	95.4	8.0	95.2	8.4	96.4	7.9	96.1	7.3
Maine	100.0	R77.5	100.0	87.1	100.0	R74.5	100.0	R72.0
Maryland	25.5	4.3	R23.6	4.2	R24.3	4.0	R23.9	3.9
Massachusetts	NA	NA	NA	NA	NA	R38.3	NA	NA
Michigan	48.7	5.9	40.1	4.9	32.0	4.4	37.5	4.5
Minnesota	98.1	44.5	96.3	37.4	89.4	34.3	96.7	36.7
Mississippi	93.5	33.2	94.0	34.5	93.8	33.0	94.1	33.4
Missouri	69.3	12.9	64.7	12.7	65.5	11.7	47.4	11.0
Montana	80.3	1.5	75.3	0.8	68.5	0.5	70.1	1.0
Nebraska	78.4	17.2	60.2	12.3	86.4	12.5	68.6	9.0
Nevada	54.6	24.5	50.2	16.8	35.0	17.1	33.0	18.1
New Hampshire	90.6	28.5	89.6	27.5	80.6	26.3	86.6	26.3
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	R60.2	NA	R49.4	NA	R40.9	NA	R48.7	5.7
New York	NA	27.8	NA	29.0	NA	NA	NA	NA
North Carolina	84.1	39.8	99.2	63.7	87.0	48.9	87.4	56.1
North Dakota	88.9	26.5	82.6	12.0	77.9	11.6	79.6	10.9
Ohio	36.5	1.5	31.6	1.0	NA	NA	30.8	0.6
Oklahoma	63.8	3.4	R53.9	3.8	60.6	3.5	57.6	3.4
Oregon	98.2	12.0	98.3	12.2	98.5	NA	98.8	12.2
Pennsylvania	46.9	9.9	49.2	9.3	45.2	9.4	53.6	10.7
Rhode Island	43.6	26.8	39.9	24.7	16.4	36.2	44.1	28.7
South Carolina	93.4	82.3	99.9	88.1	94.6	81.7	94.7	87.0
South Dakota	75.6	25.5	71.5	26.2	69.8	20.3	73.9	20.7
Tennessee	78.7	34.3	70.8	34.8	76.1	26.7	74.1	28.3
Texas	72.3	22.0	72.8	17.1	74.4	33.3	72.5	25.4
Utah	79.9	11.0	75.4	9.8	74.4	9.2	76.0	8.7
Vermont	100.0	75.2	100.0	69.8	100.0	66.5	100.0	68.6
Virginia	61.2	11.8	59.3	10.1	57.7	5.4	62.5	9.4
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	39.6	13.0	35.1	12.8	NA	12.4	33.9	30.2
Wisconsin	71.6	20.7	60.9	16.2	53.5	15.8	47.7	18.8
Wyoming	82.2	1.9	83.9	1.8	65.7	1.7	82.0	2.8
Total	**R59.7**	**17.3**	**R57.7**	**17.1**	**53.6**	**18.0**	**R57.4**	**17.6**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	53.4	15.3	67.4	15.0	76.0	15.2	76.3	15.9
Alaska	57.4	100.0	58.9	99.9	53.5	99.9	57.5	99.9
Arizona	82.1	37.2	82.5	42.3	82.5	30.5	84.6	26.3
Arkansas	NA	NA	NA	8.6	89.6	8.7	90.1	9.6
California	60.7	10.1	49.8	12.7	61.3	12.7	59.5	13.4
Colorado	95.8	0.6	96.7	0.6	NA	0.8	96.7	0.4
Connecticut	56.8	62.3	53.6	55.2	72.9	64.0	67.4	58.6
Delaware	100.0	16.4	100.0	22.4	100.0	17.6	100.0	22.7
District of Columbia	33.9	—	39.4	—	43.5	—	53.8	—
Florida	96.3	3.2	91.6	4.2	92.0	3.4	90.2	4.2
Georgia	R67.8	10.9	NA	NA	82.0	6.0	83.0	13.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.3	2.8	85.5	2.3	87.0	2.6	87.8	2.8
Illinois	33.7	6.7	34.9	6.6	40.9	10.3	47.7	9.1
Indiana	NA	8.0	NA	NA	NA	NA	NA	NA
Iowa	76.4	5.9	93.5	5.9	77.2	6.2	87.3	7.5
Kansas	55.9	6.6	68.4	NA	69.1	4.9	NA	5.0
Kentucky	80.4	12.9	84.4	16.5	83.9	16.3	88.8	16.6
Louisiana	97.1	6.7	96.6	6.6	97.2	6.5	96.2	7.5
Maine	100.0	87.9	100.0	R74.6	100.0	75.1	100.0	80.7
Maryland	R23.3	4.9	NA	R3.4	25.1	1.6	NA	9.5
Massachusetts	44.2	NA	54.1	41.5	46.8	NA	67.0	NA
Michigan	39.5	4.9	47.1	7.2	58.0	14.2	63.3	16.2
Minnesota	92.1	43.8	96.6	29.3	91.7	37.1	96.5	39.3
Mississippi	94.4	35.2	95.8	38.1	NA	NA	88.4	34.9
Missouri	71.0	13.6	75.8	14.0	81.4	17.2	83.3	24.6
Montana	67.9	0.4	92.8	1.7	77.3	1.7	78.1	1.8
Nebraska	63.2	18.1	49.5	22.4	65.0	64.6	67.6	23.8
Nevada	55.6	18.7	60.2	18.7	63.2	25.4	67.7	28.0
New Hampshire	89.1	23.2	NA	26.2	94.2	27.2	94.5	19.6
New Jersey	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	R54.3	5.9	R41.6	4.9	R58.5	NA	58.1	4.2
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	88.0	49.9	89.9	50.0	90.7	42.0	R97.0	R37.6
North Dakota	77.0	16.4	85.3	6.0	86.8	14.5	89.7	13.7
Ohio	30.1	1.1	34.5	1.8	38.7	2.0	48.5	3.6
Oklahoma	24.2	4.0	68.1	3.8	75.7	4.3	79.2	5.0
Oregon	98.5	14.1	98.7	14.1	98.7	15.1	98.7	16.5
Pennsylvania	50.3	11.0	59.1	11.8	56.1	11.1	61.4	12.5
Rhode Island	46.8	32.0	48.9	31.4	56.2	38.8	60.4	50.1
South Carolina	94.9	81.2	95.4	86.1	85.3	72.8	78.0	83.3
South Dakota	60.2	33.2	78.7	38.8	83.2	41.8	84.3	47.4
Tennessee	58.7	27.0	77.6	26.4	NA	NA	83.9	22.5
Texas	72.4	21.4	74.4	NA	75.7	20.5	78.2	16.3
Utah	72.9	14.8	80.1	8.7	83.0	8.0	82.8	8.3
Vermont	100.0	68.7	100.0	68.8	100.0	76.3	100.0	82.2
Virginia	56.6	6.8	60.4	9.4	55.7	9.3	65.8	17.5
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	35.8	11.8	51.4	NA	54.2	NA
Wisconsin	51.4	19.9	62.8	18.3	70.9	21.3	76.6	21.9
Wyoming	83.8	3.2	87.5	3.5	88.6	2.4	88.1	2.9
Total	**R59.4**	**16.9**	**R61.2**	**17.1**	**R64.6**	**15.8**	**R68.6**	**16.0**

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999				1998			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.4	16.1	81.0	18.4	80.5	23.3	75.4	20.5
Alaska	53.8	99.9	59.8	99.9	49.6	99.4	48.8	100.0
Arizona	84.6	34.0	86.3	32.3	85.0	33.5	84.0	33.6
Arkansas	91.4	10.6	93.3	11.7	90.8	9.5	89.0	9.0
California	59.1	14.4	62.3	11.8	48.9	10.4	49.2	11.1
Colorado	93.2	0.3	97.1	0.1	94.3	7.6	95.2	3.3
Connecticut	69.7	67.0	69.6	60.4	68.7	55.8	62.6	61.5
Delaware	100.0	24.0	100.0	18.1	100.0	22.4	100.0	24.8
District of Columbia	52.4	—	58.2	—	52.3	—	59.7	—
Florida	90.9	4.0	91.5	3.6	96.6	7.3	96.0	6.4
Georgia	81.6	11.3	85.4	10.1	83.6	25.3	79.2	22.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.8	3.1	89.4	3.6	86.4	2.6	86.1	3.6
Illinois	46.1	10.0	46.9	10.9	47.4	9.3	45.2	12.3
Indiana	79.3	9.2	79.9	NA	79.2	9.3	82.6	8.6
Iowa	84.7	8.0	86.7	9.2	85.8	6.8	89.4	10.0
Kansas	NA	5.4	NA	NA	69.5	9.9	61.0	5.7
Kentucky	89.2	18.0	90.3	16.9	87.5	17.8	88.6	23.6
Louisiana	95.9	7.8	96.2	7.5	94.6	9.3	92.2	20.6
Maine	100.0	97.3	100.0	93.8	100.0	87.4	100.0	84.4
Maryland	NA	6.5	39.3	7.5	36.7	7.0	37.7	10.3
Massachusetts	NA	32.3	78.5	28.3	57.9	26.3	82.1	25.7
Michigan	64.5	17.3	67.3	16.2	59.7	10.8	64.7	12.0
Minnesota	96.5	33.8	96.6	37.9	97.6	39.7	96.8	39.9
Mississippi	96.9	38.2	NA	NA	94.8	37.6	96.3	38.6
Missouri	79.1	33.9	85.5	26.3	78.3	18.2	79.2	21.9
Montana	80.1	1.7	83.5	2.4	77.1	1.5	77.0	1.5
Nebraska	63.5	28.7	59.8	23.5	72.5	12.7	51.5	20.6
Nevada	69.2	30.9	72.6	31.4	70.3	15.5	69.9	33.2
New Hampshire	95.3	24.1	95.5	24.2	94.1	30.7	95.3	24.4
New Jersey	NA	NA	NA	NA	60.5	49.5	59.7	59.4
New Mexico	52.8	3.6	66.7	NA	67.0	9.8	79.0	4.6
New York	NA	NA	NA	NA	53.2	8.3	56.7	12.0
North Carolina	R96.6	R36.4	97.0	41.1	90.6	32.1	90.2	32.7
North Dakota	83.6	13.6	92.4	18.4	83.8	14.6	87.2	18.5
Ohio	47.1	3.6	57.0	4.1	55.1	4.3	50.3	5.2
Oklahoma	78.9	5.1	83.2	5.7	73.2	3.6	71.3	4.9
Oregon	99.0	15.8	99.1	16.9	99.0	14.3	99.1	14.4
Pennsylvania	56.4	11.1	66.5	14.6	56.9	13.1	59.0	13.2
Rhode Island	61.5	30.8	59.4	24.4	59.3	7.4	52.5	7.6
South Carolina	97.8	83.0	97.6	84.8	97.9	86.7	97.1	86.5
South Dakota	84.1	50.0	86.6	51.8	84.2	35.6	84.6	46.5
Tennessee	84.8	23.3	89.7	25.4	87.3	33.1	89.5	33.6
Texas	81.3	13.0	71.0	13.8	81.0	14.1	83.4	12.7
Utah	85.7	10.8	85.8	12.2	82.5	8.6	85.2	9.7
Vermont	100.0	81.5	100.0	81.4	100.0	100.0	100.0	100.0
Virginia	68.2	15.4	76.4	18.0	72.1	12.8	75.8	15.9
Washington	NA	NA	NA	NA	86.8	20.1	88.3	25.4
West Virginia	54.8	10.1	49.9	5.4	49.5	6.3	55.3	7.4
Wisconsin	78.8	22.7	80.6	25.4	74.0	22.0	79.2	23.8
Wyoming	97.3	4.2	96.5	4.3	90.5	2.0	97.9	2.1
Total	**R69.1**	**15.5**	**72.7**	**15.4**	**67.0**	**16.1**	**68.3**	**17.2**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1998							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.6	23.3	71.5	21.7	76.3	21.5	78.7	20.1
Alaska	51.1	100.0	48.7	100.0	47.3	100.0	48.7	96.4
Arizona	82.9	35.3	79.9	36.7	83.7	33.3	83.0	32.7
Arkansas	86.1	10.2	81.5	10.4	82.4	9.6	84.9	8.0
California	38.8	10.5	37.5	11.1	33.2	8.7	29.0	8.0
Colorado	94.0	4.7	87.5	6.6	93.2	5.6	91.1	8.9
Connecticut	76.1	56.0	61.3	51.9	55.2	57.5	58.0	49.3
Delaware	100.0	23.2	100.0	18.2	100.0	17.9	100.0	11.5
District of Columbia	50.2	—	37.8	—	36.8	—	35.7	—
Florida	95.6	5.8	96.0	5.6	96.4	6.5	96.4	10.2
Georgia	77.4	19.2	74.6	19.6	73.6	28.4	71.5	15.0
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	83.9	2.2	75.3	2.6	80.6	2.5	83.3	3.5
Illinois	44.8	10.0	40.7	9.0	37.3	7.7	36.5	6.6
Indiana	74.5	8.9	69.0	8.1	57.3	6.8	70.2	5.5
Iowa	84.0	9.7	77.4	6.8	77.0	5.7	82.1	5.7
Kansas	62.1	5.7	60.3	7.2	57.9	14.1	61.8	14.2
Kentucky	87.1	20.9	82.3	15.9	81.9	14.7	79.1	14.1
Louisiana	94.3	9.6	93.9	8.8	94.4	9.1	94.5	7.7
Maine	100.0	87.3	100.0	87.0	100.0	87.3	100.0	85.9
Maryland	38.3	9.5	25.2	8.6	23.0	3.9	22.7	7.2
Massachusetts	57.8	28.5	45.1	27.8	80.7	19.3	49.6	19.8
Michigan	57.9	10.9	47.8	6.5	42.5	6.3	37.5	4.8
Minnesota	95.9	40.4	97.9	37.1	99.3	36.7	99.0	35.3
Mississippi	95.5	38.6	95.3	37.4	94.8	34.0	97.1	37.3
Missouri	74.5	18.3	66.6	12.8	70.1	13.1	44.5	12.6
Montana	74.9	1.4	70.5	1.0	64.2	0.6	68.6	0.8
Nebraska	66.5	14.1	80.4	13.0	74.5	10.2	82.0	7.6
Nevada	63.6	27.5	62.6	25.5	55.5	19.1	55.2	17.7
New Hampshire	95.5	21.9	93.1	21.5	91.9	21.5	82.4	25.8
New Jersey	60.2	55.3	53.3	52.7	54.8	52.5	57.9	51.0
New Mexico	70.4	11.0	58.3	8.9	52.1	13.2	52.4	15.5
New York	53.3	7.7	50.2	10.7	43.3	6.9	43.2	8.2
North Carolina	87.5	34.1	83.2	27.1	84.9	23.4	86.2	27.3
North Dakota	86.2	18.8	80.7	20.5	68.1	13.1	67.2	8.5
Ohio	50.7	4.3	56.3	2.6	44.9	2.2	36.3	1.4
Oklahoma	65.7	3.7	60.5	1.9	59.7	1.9	59.5	1.9
Oregon	99.0	15.1	98.4	11.8	98.7	11.6	98.6	11.8
Pennsylvania	57.1	13.1	53.1	11.3	54.2	11.8	46.3	11.7
Rhode Island	52.2	8.8	48.1	6.6	48.1	6.3	100.0	6.5
South Carolina	96.9	86.5	96.9	87.4	97.2	88.2	97.2	88.0
South Dakota	84.5	45.3	95.8	40.1	73.7	22.1	74.9	18.3
Tennessee	86.9	32.9	76.2	21.4	75.5	32.2	72.6	32.3
Texas	84.4	13.4	71.8	14.9	78.9	14.9	76.7	14.1
Utah	82.2	10.5	80.1	9.9	77.6	8.9	71.6	8.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	72.1	16.9	63.5	9.5	59.0	7.6	50.7	13.0
Washington	85.0	21.4	85.8	31.6	86.0	17.2	84.0	15.1
West Virginia	50.0	6.6	38.6	5.9	36.2	6.8	31.7	6.4
Wisconsin	74.9	24.4	71.1	19.0	45.5	18.0	48.5	14.7
Wyoming	87.7	2.0	83.8	2.2	84.9	2.4	92.6	2.6
Total	**64.5**	**15.7**	**59.2**	**14.8**	**57.0**	**14.2**	**53.3**	**13.8**

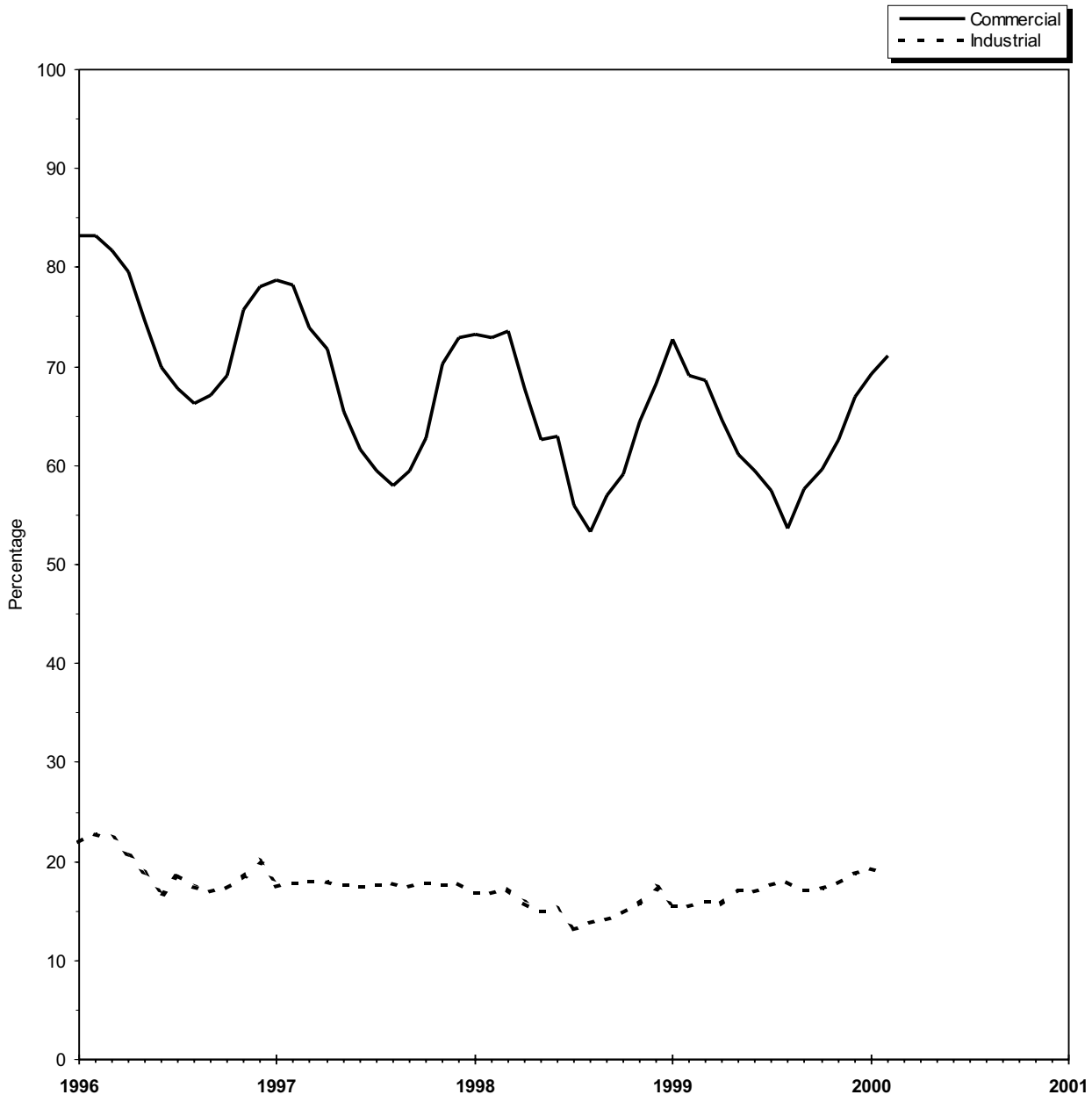
R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated form Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed productioncarbon dioxide, helium, hydrogen sulfide, and nitrogenare reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports,* which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publica-

tions. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.

The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual.* Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the Natural Gas Annual.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual.* Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual.*

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and / or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the

working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. Natural gas wellhead price are estimated from the prevailing cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. These prices appear initially in the trade publication, *Natural Gas Week* , and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 1997. The preliminary estimates are replaced when annual survey data become available. This procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly* and it affects price estimates from January 1998 to the present.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply / disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several de-

gree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas. form was approved for use beginning with report year 1990.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and / or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1999 for report year 1998 totaled 1,910 questionnaire packages. To this original mailing, 5 names were added and 32 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,883 responses were entered into the data base, and there were 50 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. Allproducing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (116,946), Colorado (387,376), and New Mexico (608,000).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the

number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Underground Natural Gas Storage Report"

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8 / FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8 / EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8 / EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 114 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and / or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different. Prior to 1995, the Form FPC-14 was filed annual by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export were originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential / commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} \quad \frac{X_{.j}}{2n} \qquad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X..$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ($X_{i.}$). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m \quad n\frac{X2}{X..} \qquad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X2 = the sum within State of the Xi. for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $I \quad \frac{X2}{m}$ I. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the $X_{i.}$ for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} \quad \frac{Y_{.j}}{Y_{.j}} \qquad (3)$$

where:

$Y_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} \quad y_{.j} \quad E_{vj} \qquad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector *j*,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector *j*.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j \quad \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t \quad F_t \quad 1 \quad \frac{y_{.jt}}{y_{.jt\ 1}} \qquad (5)$$

where:

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

$y_{.jt}$ = gas volume reported by companies in the State stratum for report month t,

$y_{.j\,t-1}$ = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm} \quad V_{jm} \quad (V_{ja} \quad V_{jm})\left(\frac{V_{jm}}{V_{jm}}\right) \qquad (6)$$

where:

V^*_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm} \quad R_{jm} \quad (R_{ja} \quad R_{jm})\left(\frac{R_{jm}}{R_{jm}}\right) \qquad (7)$$

where:

R^*_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two

standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(Y) \quad \sum_{h=1}^{H} N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h - 1)} \sum_{i=1} (y_i - Tx_i)^2 \qquad (8)$$

where:

H = the total number of strata

N_h= the total number of companies in stratum h

n_h= the sample size in stratum h

y_i= the reported monthly volume for company i

x_i= the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, February 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	756	231	2,030	2,179	0.34	0.72	2.69
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	8	NA	NA	NA	0.21
California	361	109	1,022	1,089	0.04	0.06	0.94
Colorado	NA	NA	NA	NA	NA	NA	NA
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	269	306	1,941	1,983	0.86	0.23	0.29
Georgia	NA	NA	NA	NA	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	1,140	1,320	5,502	5,772	0.15	0.38	0.22
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	51	89	60	119	0.05	0.06	0.05
Kansas	5,685	5,700	1,639	8,215	0.22	1.90	2.74
Kentucky	708	452	178	858	0.20	0.16	0.03
Louisiana	109	72	2,855	2,858	0.12	0.01	0.07
Maine	0	0	0	0	—	—	—
Maryland	76	92	22	121	0.02	0.02	0.05
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	386	92	2,241	2,276	0.06	0.07	0.12
Minnesota	NA	197	NA	NA	NA	0.11	NA
Mississippi	462	194	439	666	0.09	0.12	0.22
Missouri	3,236	895	738	3,437	0.13	0.03	2.78
Montana	8	11	0	13	0.01	0.01	—
Nebraska	84	35	335	348	0.16	0.17	0.45
Nevada	0	NA	NA	NA	—	NA	NA
New Hampshire	0	0	0	0	—	—	—
New Jersey	NA	NA	NA	NA	NA	NA	NA
New Mexico	449	638	17,681	17,698	0.45	0.51	4.86
New York	NA	NA	2,384	NA	NA	NA	0.28
North Carolina	153	2,149	6,159	6,525	0.04	0.04	0.49
North Dakota	NA	NA	0	NA	NA	NA	—
Ohio	2,797	7,993	10,417	13,425	0.72	0.13	0.09
Oklahoma	131	3,405	1,992	3,947	0.32	0.54	3.56
Oregon	0	0	0	0	—	—	—
Pennsylvania	NA	0	0	NA	NA	—	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	79	24	867	871	0.09	0.10	0.05
South Dakota	0	0	0	0	—	—	—
Tennessee	988	366	1,028	1,472	0.22	0.12	0.69
Texas	1,354	7,952	6,150	10,143	0.13	1.08	0.31
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	858	191	203	902	0.27	0.17	0.39
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	1,449	NA	NA	NA	1.15	NA
Wisconsin	2,074	2,379	2,193	3,843	0.12	0.11	0.40
Wyoming	28	53	NA	NA	0.09	0.07	NA
Total	**10,791**	**14,043**	**27,476**	**32,689**	**0.08**	**0.11**	**0.36**

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

Natural Gas 1998: Issues and Trends - Executive Summary ..... **April 1999**

Revisions to Monthly Natural Gas Data ..... **July 1998**

EIA Corrects Errors in EIA's Drilling Activity Estimates Series ..... **March 1998**

Recent Trends in Natural Gas Spot Prices ..... **December 1997**

Natural Gas Residential Pricing Developments During the 1996-97 Winter ..... **August 1997**

Revisions to Monthly Natural Gas Data ..... **July 1997**

Intricate Puzzle of Oil and Gas Reserves Growth" ..... **July 1997**

Restructuring Energy Industries: Lessons from Natural Gas ..... **May 1997**

Special Focuses

Corporate Realignments and Investments in the Interstate Natural Gas Transmission System ..... **October 1999**

Deliverability on the Interstate Natural Gas Pipeline System ..... **May 1998**

Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary ..... **September 1997**

Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade ..... **August 1997**

Outlook for Natural Gas Through 2015 ..... **January 1997**

Natural Gas Productive Capacity ..... **January 1997**

Special Reports

*Next Generation * Natural Gas $(NG)^2$ Information Requirements — Executive Summary* ..... **February 2000**

Increasing Importance of Natural Gas Imports on the U.S. Marketplace ..... **February 2000**

Appendix D

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	 15 16 17 18 19	 Monthly:	 Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	 Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	 20 21 22 23 24 25	 Monthly: Monthly:	 Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants" Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	 Roy Kass (202)586-4790 Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as “condensate.”

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and / or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.